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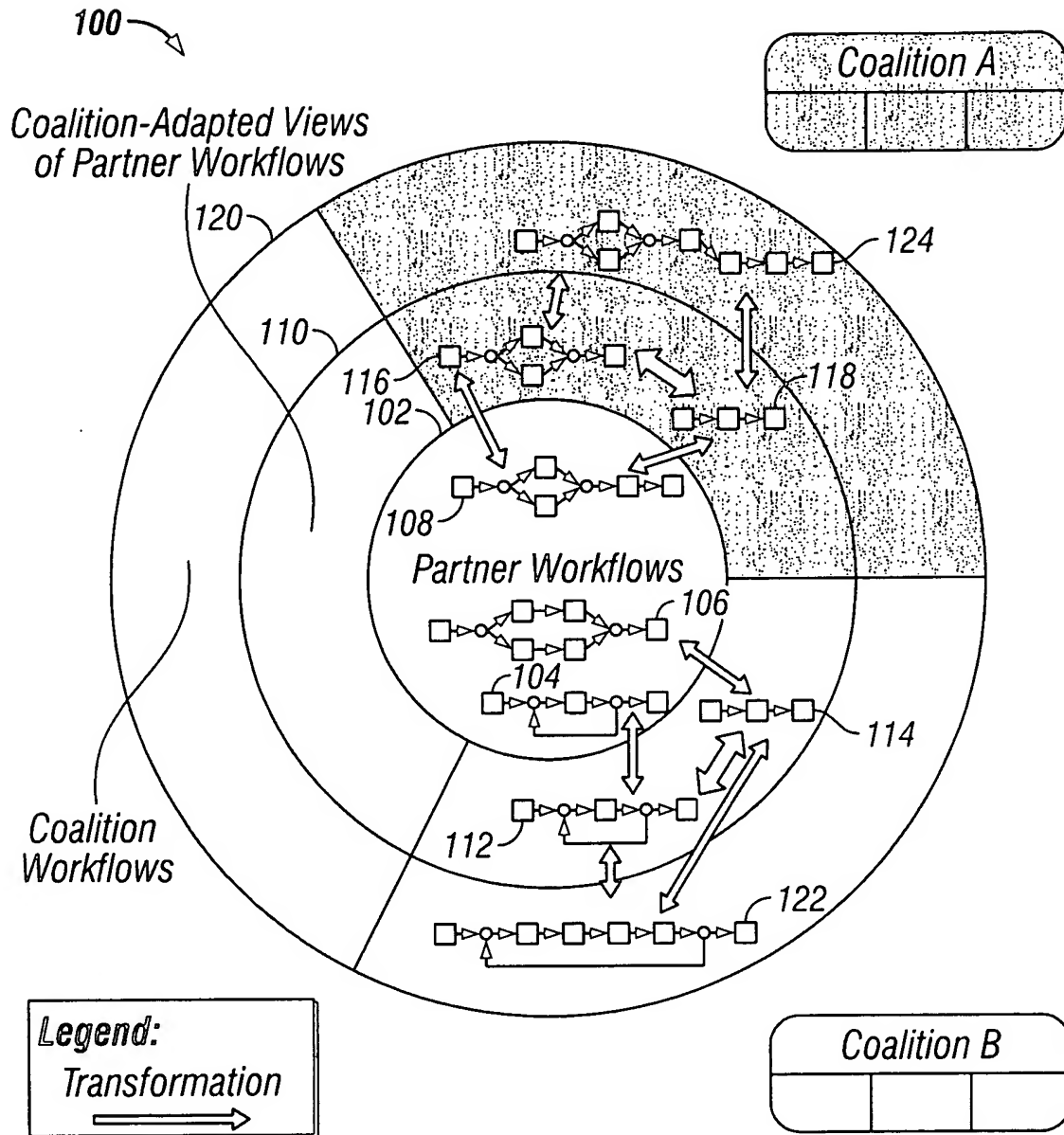


FIG. 1

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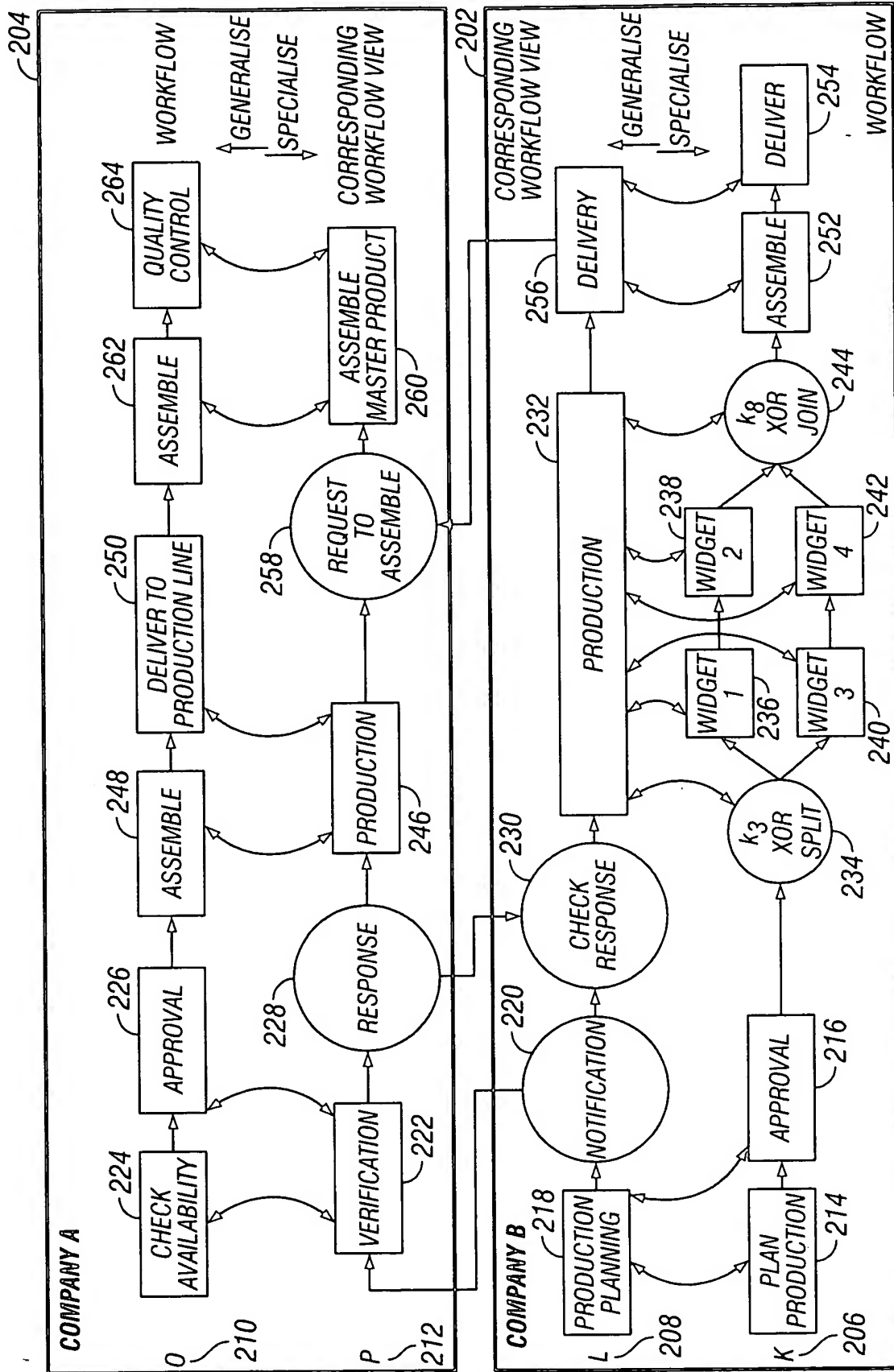
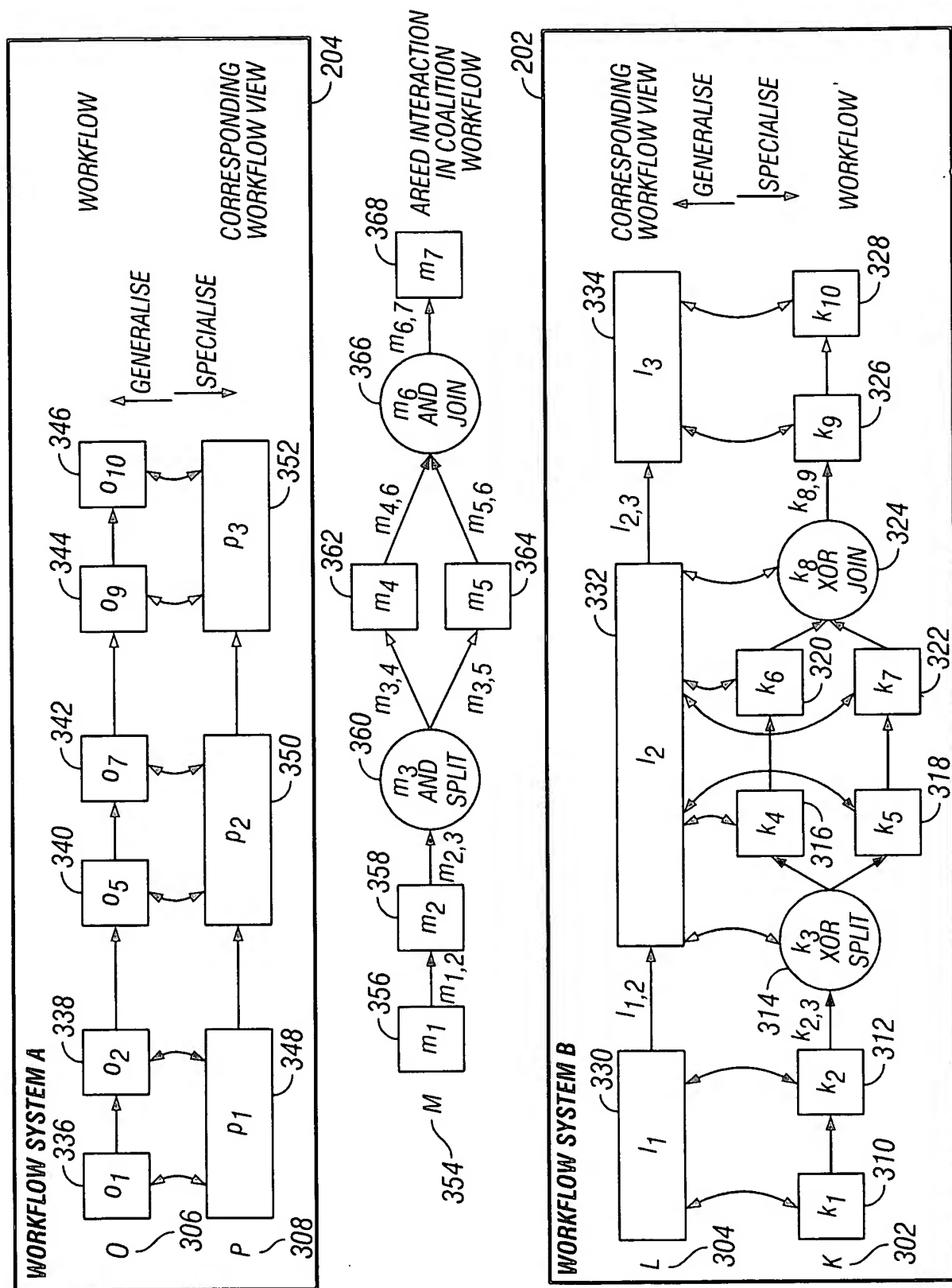


FIG. 2



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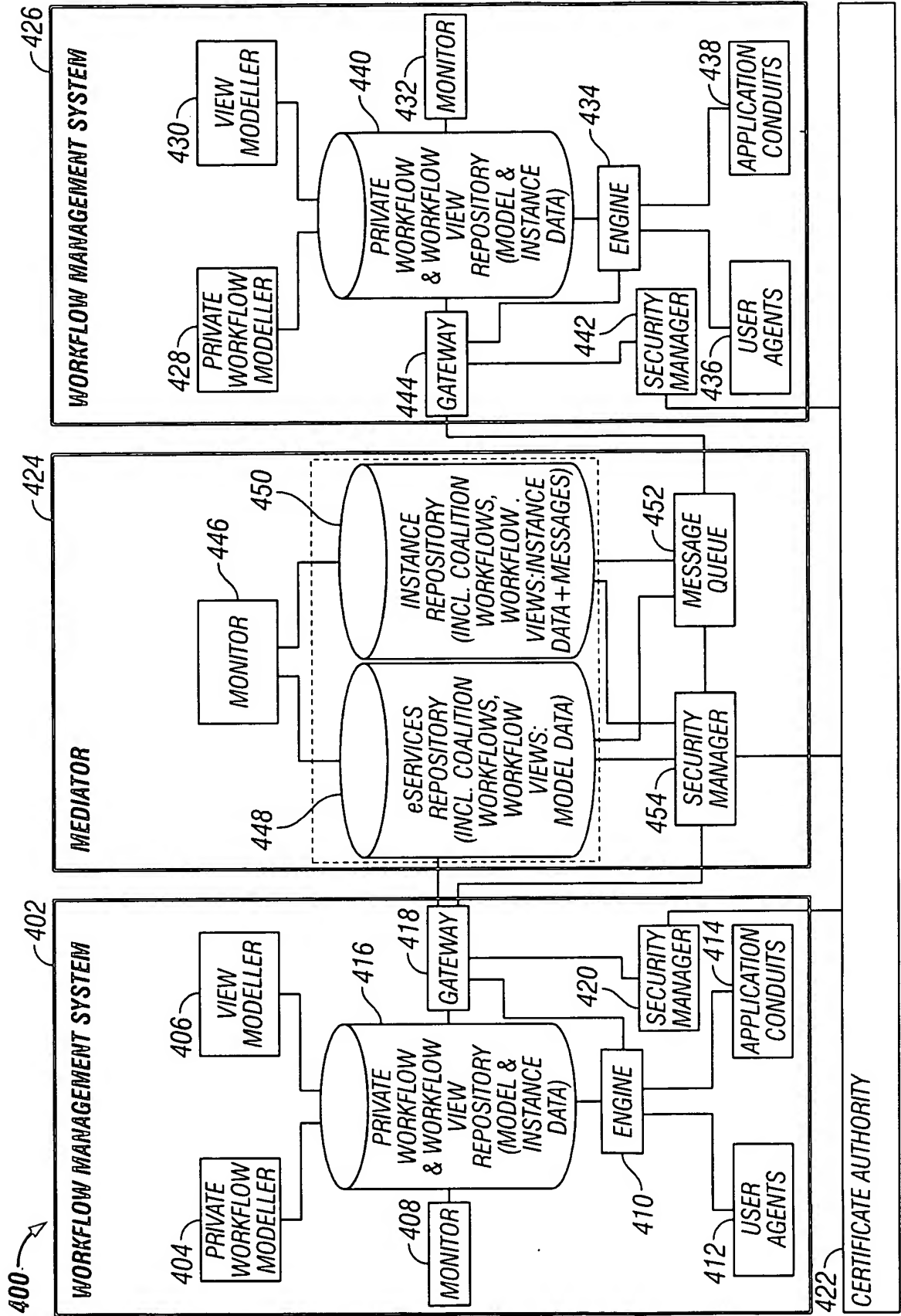


FIG. 4

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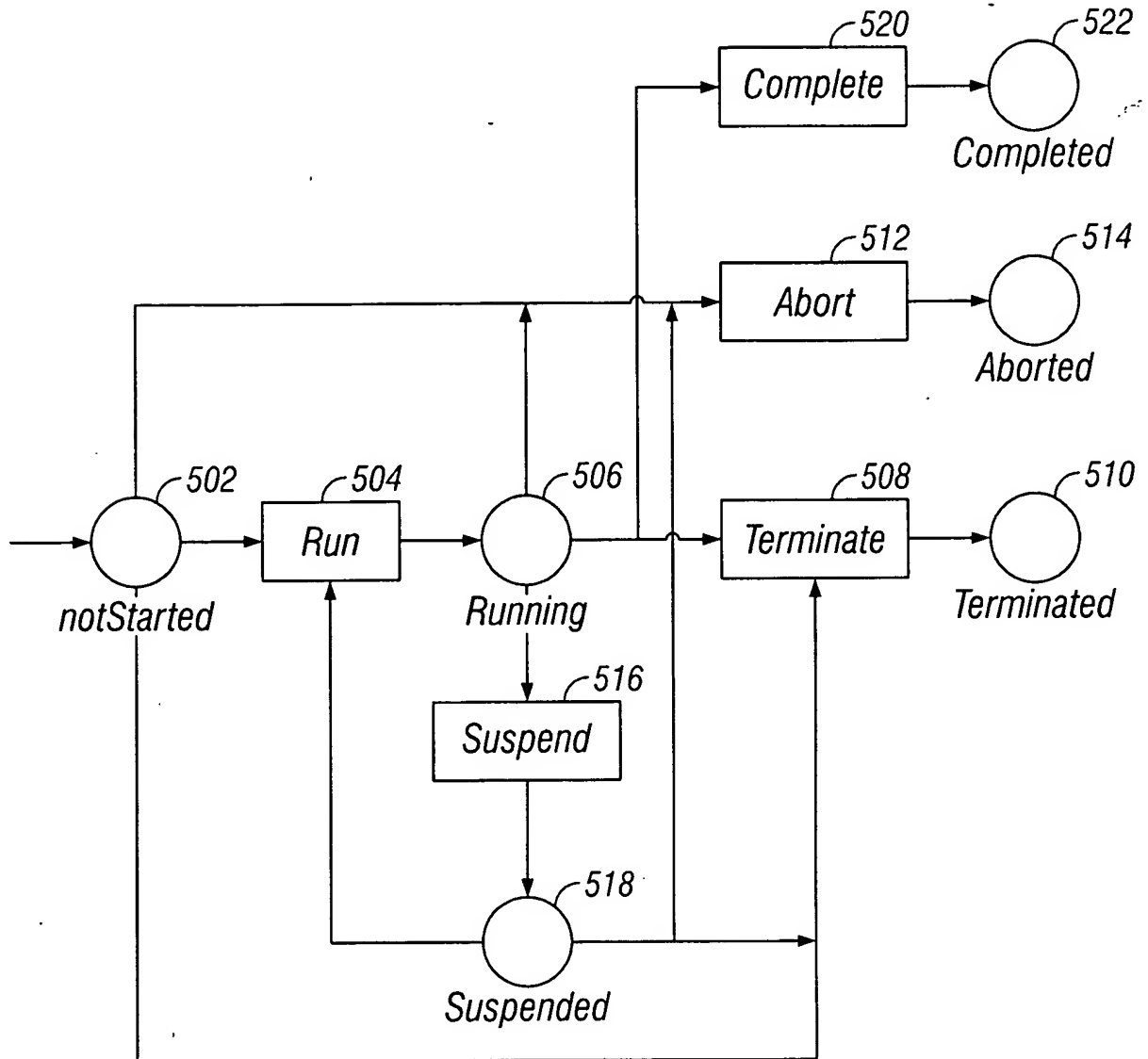


FIG. 5

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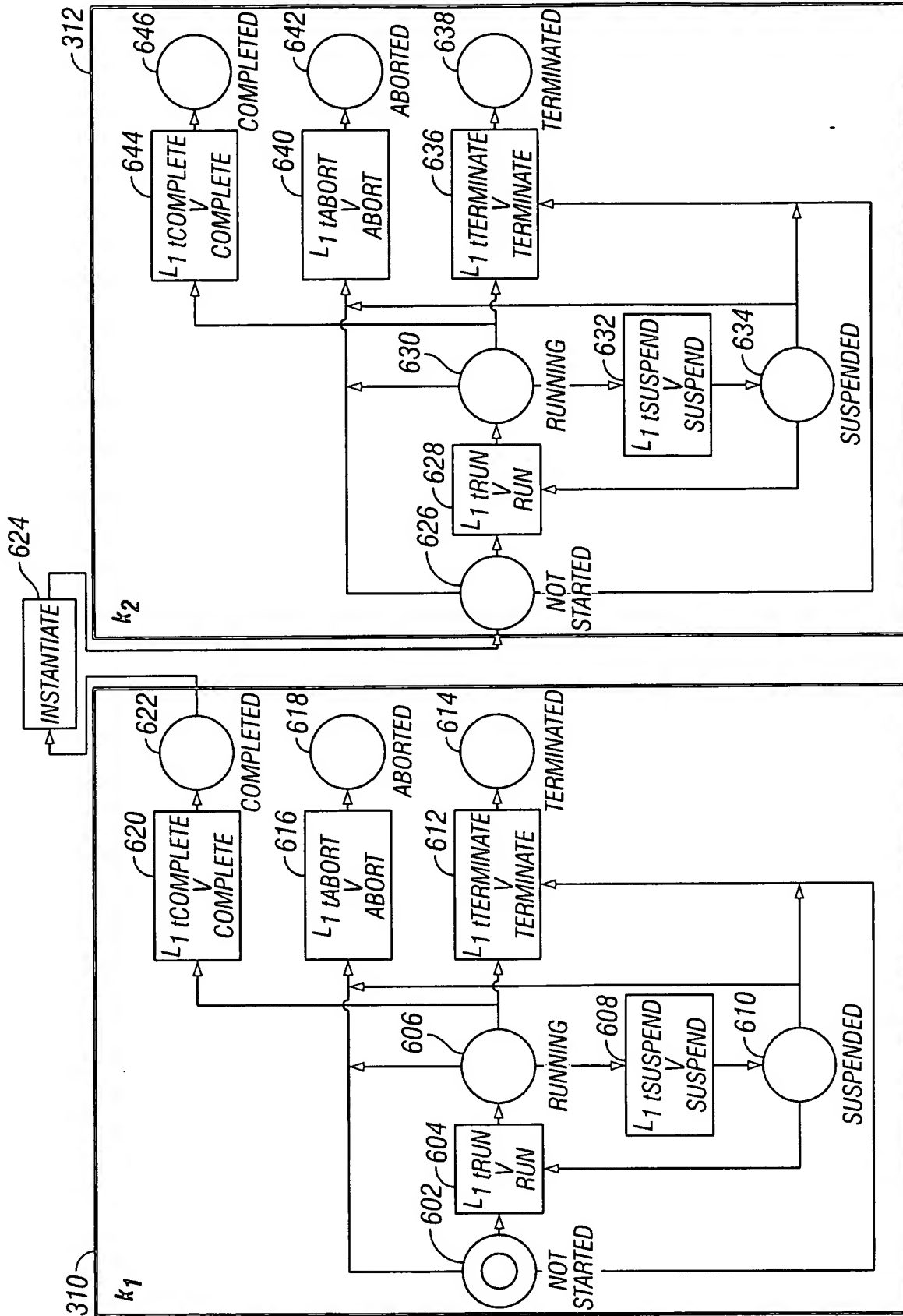
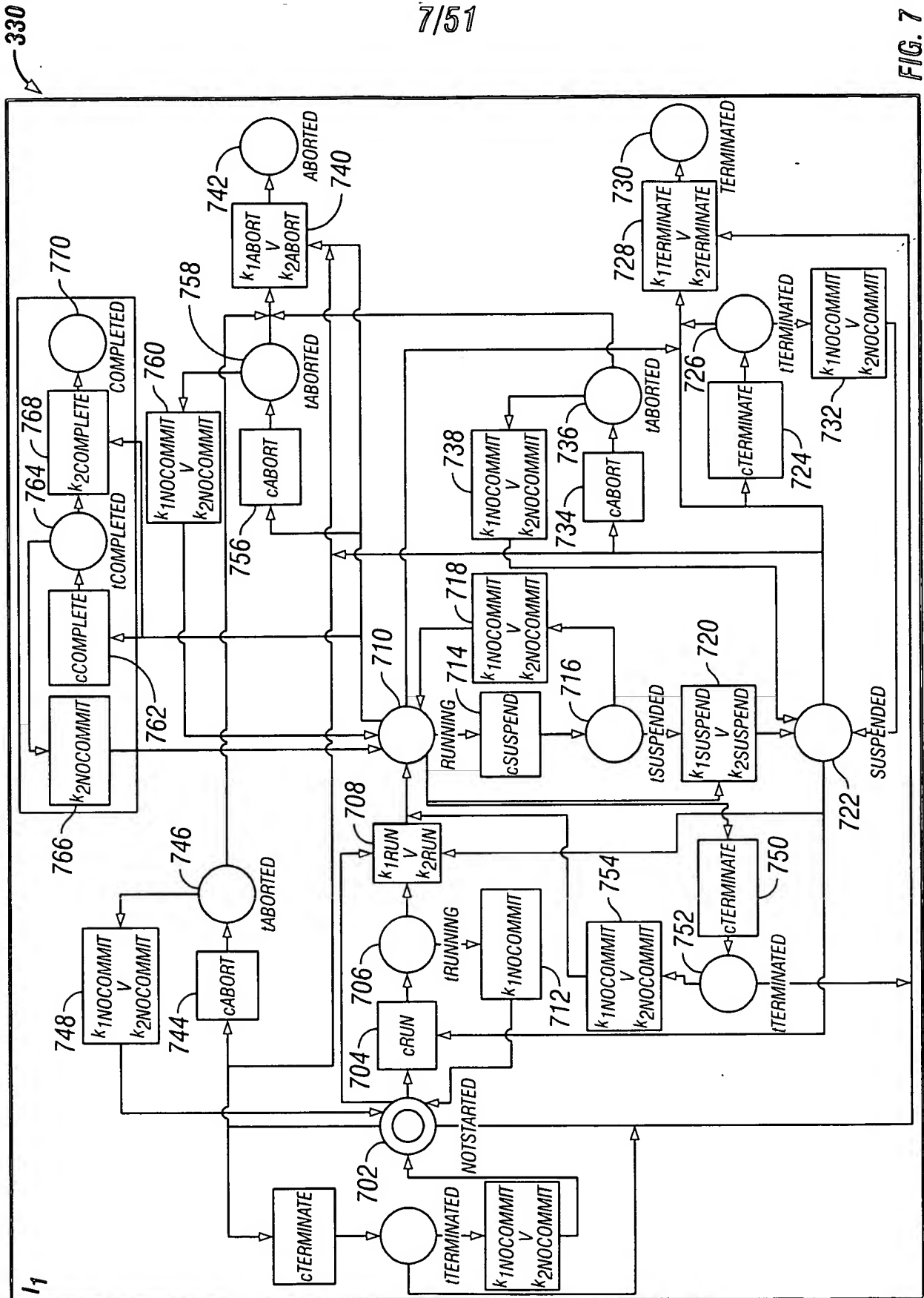


FIG. 6

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FIG. 7



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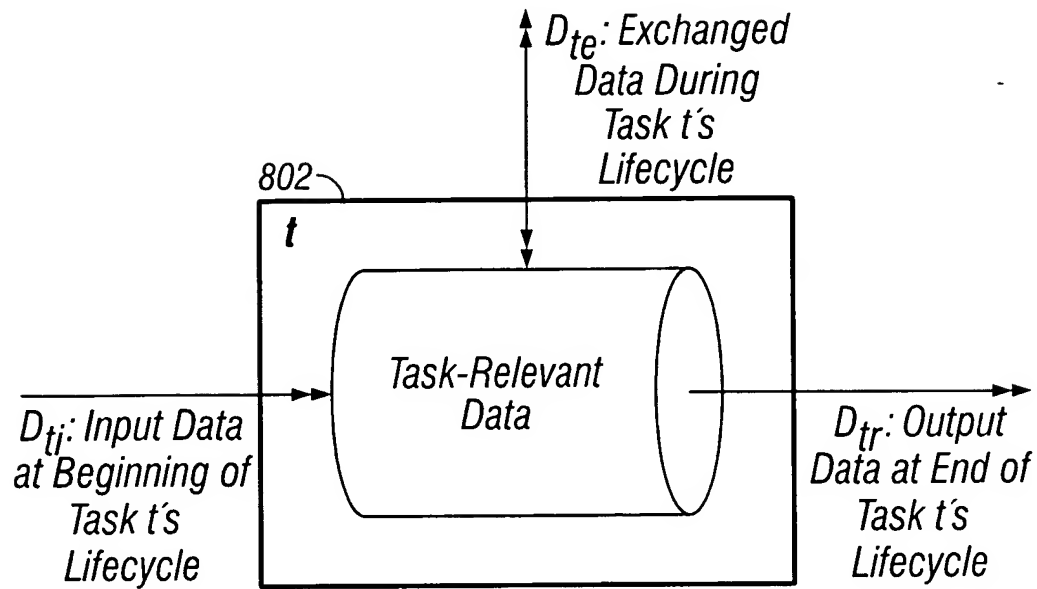


FIG. 8

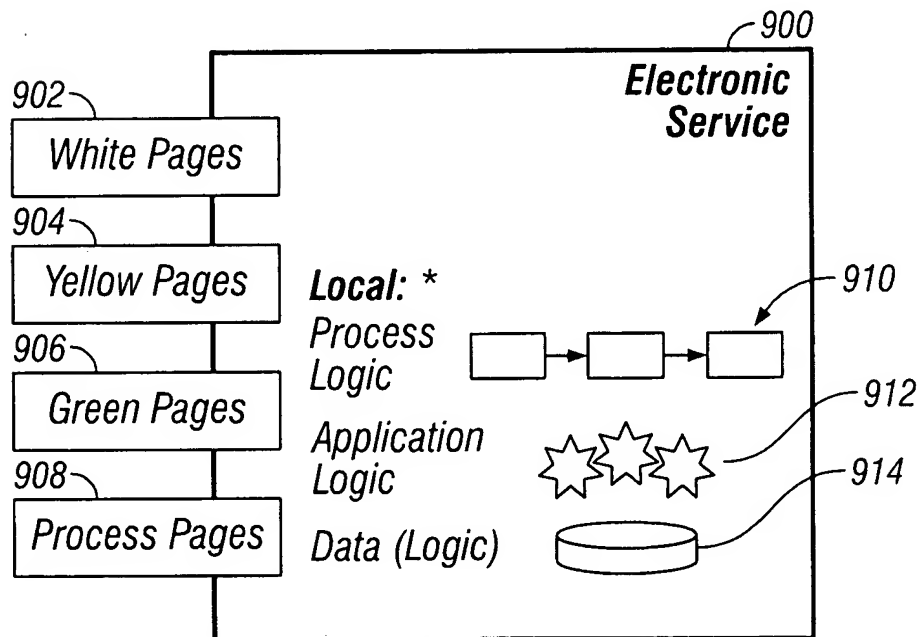


FIG. 9



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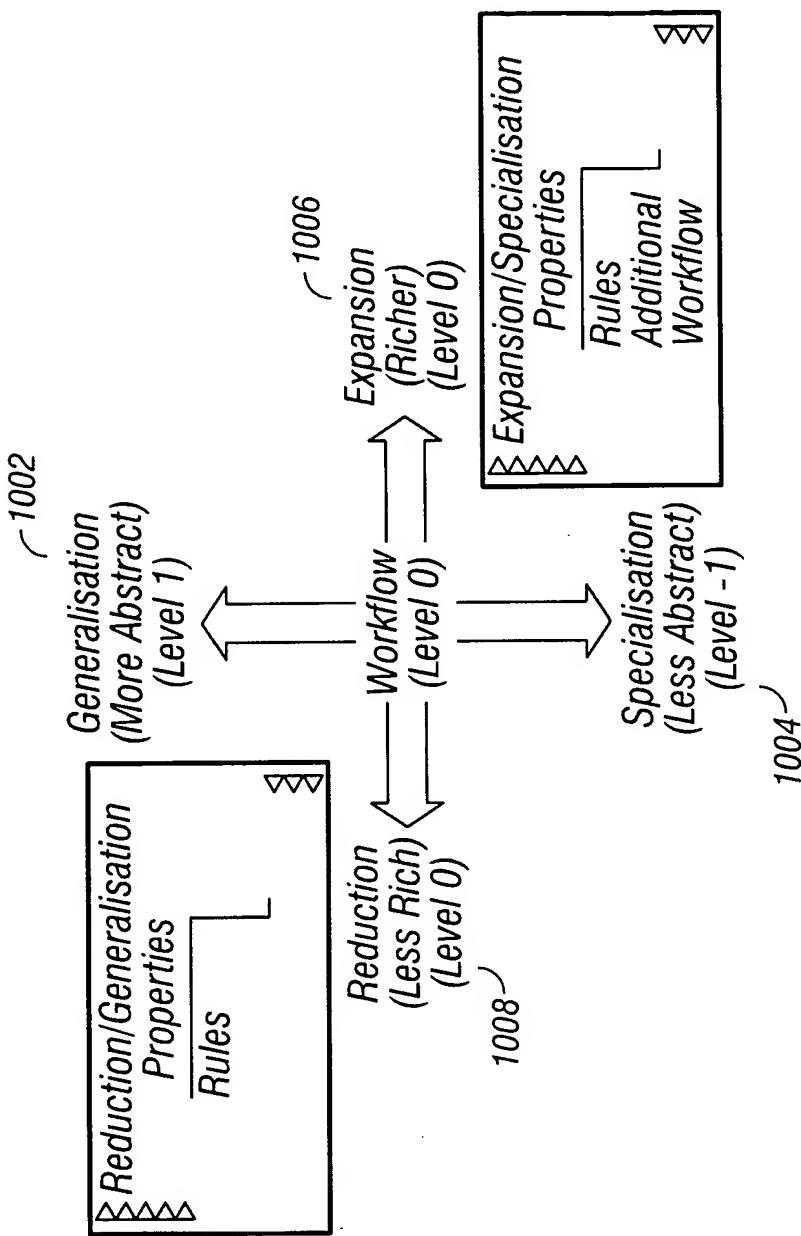


FIG. 10

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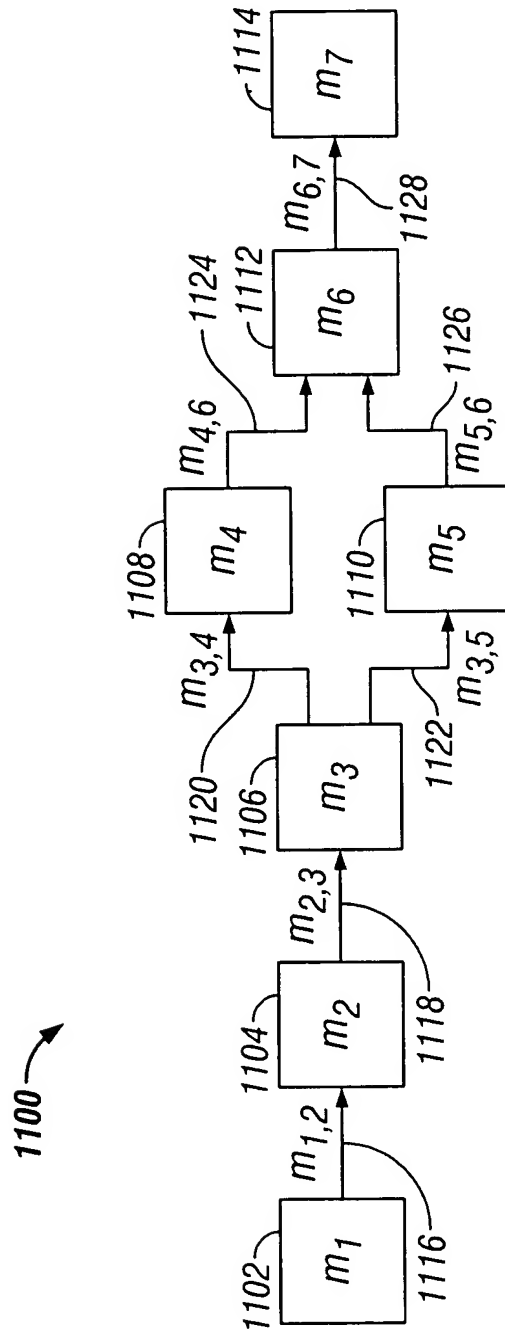


FIG. 11

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Column-Index (j)		1202		1204		1200					
Row-Index (i)		1	2	...	l	l+1	...	l+n-1	l+n	r-1	r
1	①	$m_{1,1}$	$m_{1,2}$	$m_{1,...}$	$m_{1,l}$	0	0	0	$m_{1,l+1}$	$m_{1,m-1}$	$m_{1,m}$
2		$m_{2,1}$	$m_{2,2}$	$m_{2,...}$	$m_{2,l}$	0	0	0	$m_{2,l+1}$	$m_{2,m-1}$	$m_{2,m}$
⋮		$m_{...,1}$	$m_{...,2}$	$m_{...,...}$	$m_{...,l}$	0	0	0	$m_{...,l+1}$	$m_{...,m-1}$	$m_{...,m}$
l		0	0	0	$n_{1,1}$	$n_{1,2}$	$n_{1,...}$	$n_{1,n}$	0	0	0
l+1		0	0	0	$n_{2,1}$	$n_{2,2}$	$n_{2,...}$	$n_{2,n}$	0	0	0
⋮		0	0	0	$n_{...,1}$	$n_{...,2}$	$n_{...,...}$	$n_{...,n}$	0	0	0
l+n-1	⑥	$m_{l,1}$	$m_{l,2}$	$m_{l,...}$	$n_{n,1}$	$n_{n,2}$	$n_{n,...}$	$n_{n,n}$	$m_{l,l+1}$	$m_{l,m-1}$	$m_{l,m}$
l+n		$m_{l+1,1}$	$m_{l+1,2}$	$m_{l+1,...}$	$m_{l+1,l}$	0	0	0	$m_{l+1,l+1}$	$m_{l+1,m-1}$	$m_{l+1,m}$
⋮		$m_{...,1}$	$m_{...,2}$	$m_{...,...}$	$m_{...,l}$	0	0	0	$m_{...,l+1}$	$m_{...,m-1}$	$m_{...,m}$
r-1		$m_{m-1,1}$	$m_{m-1,2}$	$m_{m-1,...}$	$m_{m-1,l}$	0	0	0	$m_{m-1,l+1}$	$m_{m-1,m-1}$	$m_{m-1,m}$
r	③	$m_{m,1}$	$m_{m,2}$	$m_{m,...}$	$m_{m,l}$	0	0	0	$m_{m,l+1}$	$m_{m,m-1}$	$m_{m,m}$

FIG. 12

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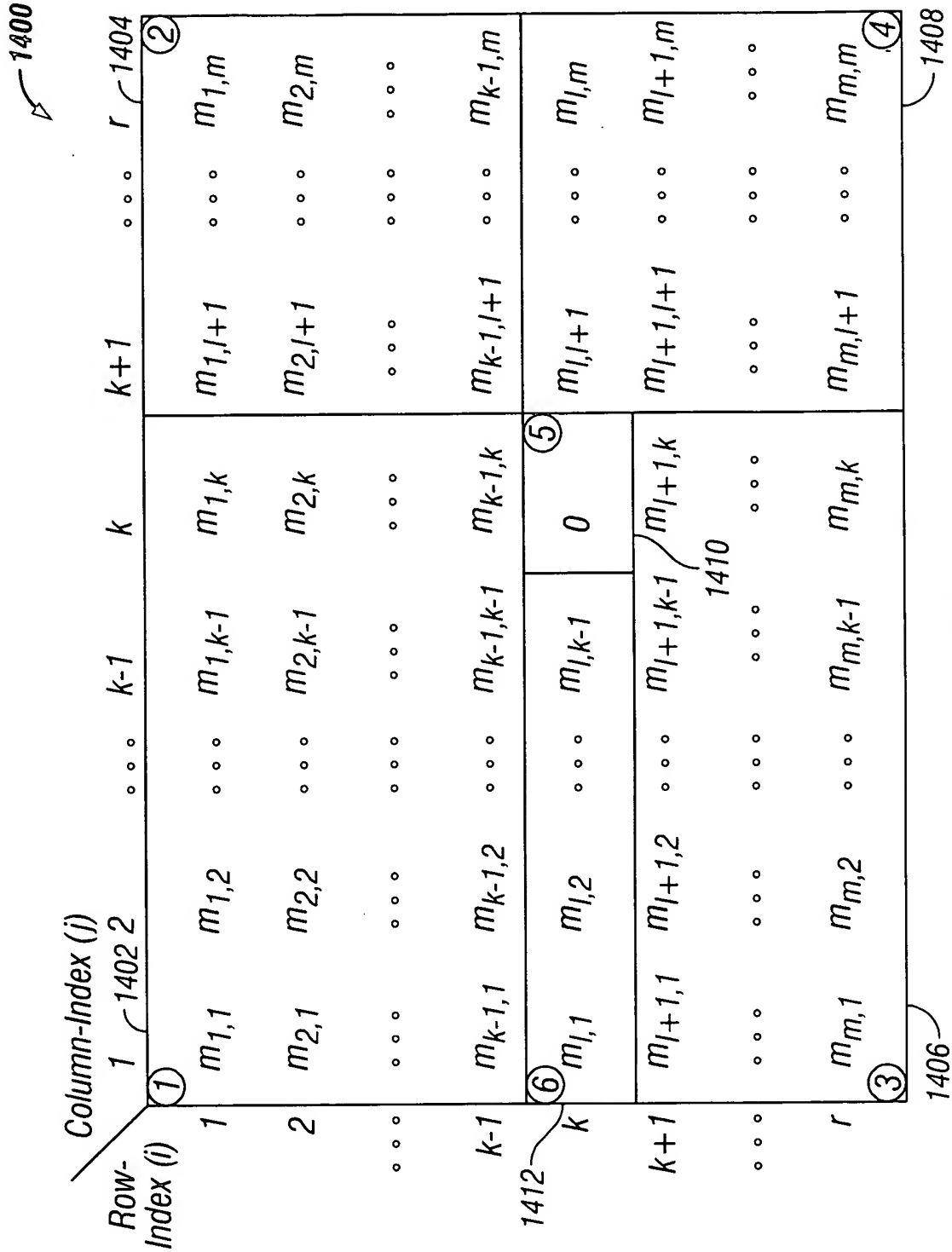
Row-Index (i)	Column-Index (j)				
	1	2	...	m-1	m
1	$m_{1,1}$	$m_{1,2}$	$m_{1,...}$	$m_{1,m-1}$	$m_{1,m}$
2	$m_{2,1}$	$m_{2,2}$	$m_{2,...}$	$m_{2,m-1}$	$m_{2,m}$
...	$m_{...,1}$	$m_{...,2}$	$m_{...,...}$	$m_{...,m-1}$	$m_{...,m}$
l	$m_{l,1}$	$m_{l,2}$	$m_{l,...}$	$m_{l,m-1}$	$m_{l,m}$
...	$m_{...,1}$	$m_{...,2}$	$m_{...,...}$	$m_{...,m-1}$	$m_{...,m}$
m-1	$m_{m-1,1}$	$m_{m-1,2}$	$m_{m-1,...}$	$m_{m-1,m-1}$	$m_{m-1,m}$
m	$m_{m,1}$	$m_{m,2}$	$m_{m,...}$	$m_{m,m-1}$	$m_{m,m}$
m+1	0	0	0	0	0
...	0	0	0	0	0
m+n-1	0	0	0	0	0
m+n	$m_{l,1}$	$m_{l,2}$	$m_{l,...}$	$m_{l,m-1}$	$m_{l,m}$

1	$m_{1,1}$	0	0	0	0
2	$m_{2,1}$	0	0	0	0
...	$m_{...,1}$	0	0	0	0
l	$m_{l,1}$	0	0	0	0
...	$m_{...,1}$	0	0	0	0
m-1	$m_{m-1,1}$	0	0	0	0
m	$m_{m,1}$	0	0	0	0
m+1	$n_{1,1}$	$n_{1,...}$	$n_{1,n-1}$	$n_{1,n}$	$n_{1,n}$
...	$n_{...,1}$	$n_{...,...}$	$n_{...,n-1}$	$n_{...,n}$	$n_{...,n}$
m+n-1	$n_{m-1,1}$	$n_{m-1,...}$	$n_{m-1,n-1}$	$n_{m-1,n}$	$n_{m-1,n}$
m+n	$n_{n,1}$	$n_{n,...}$	$n_{n,n-1}$	$n_{n,n}$	$n_{n,n}$

FIG. 13

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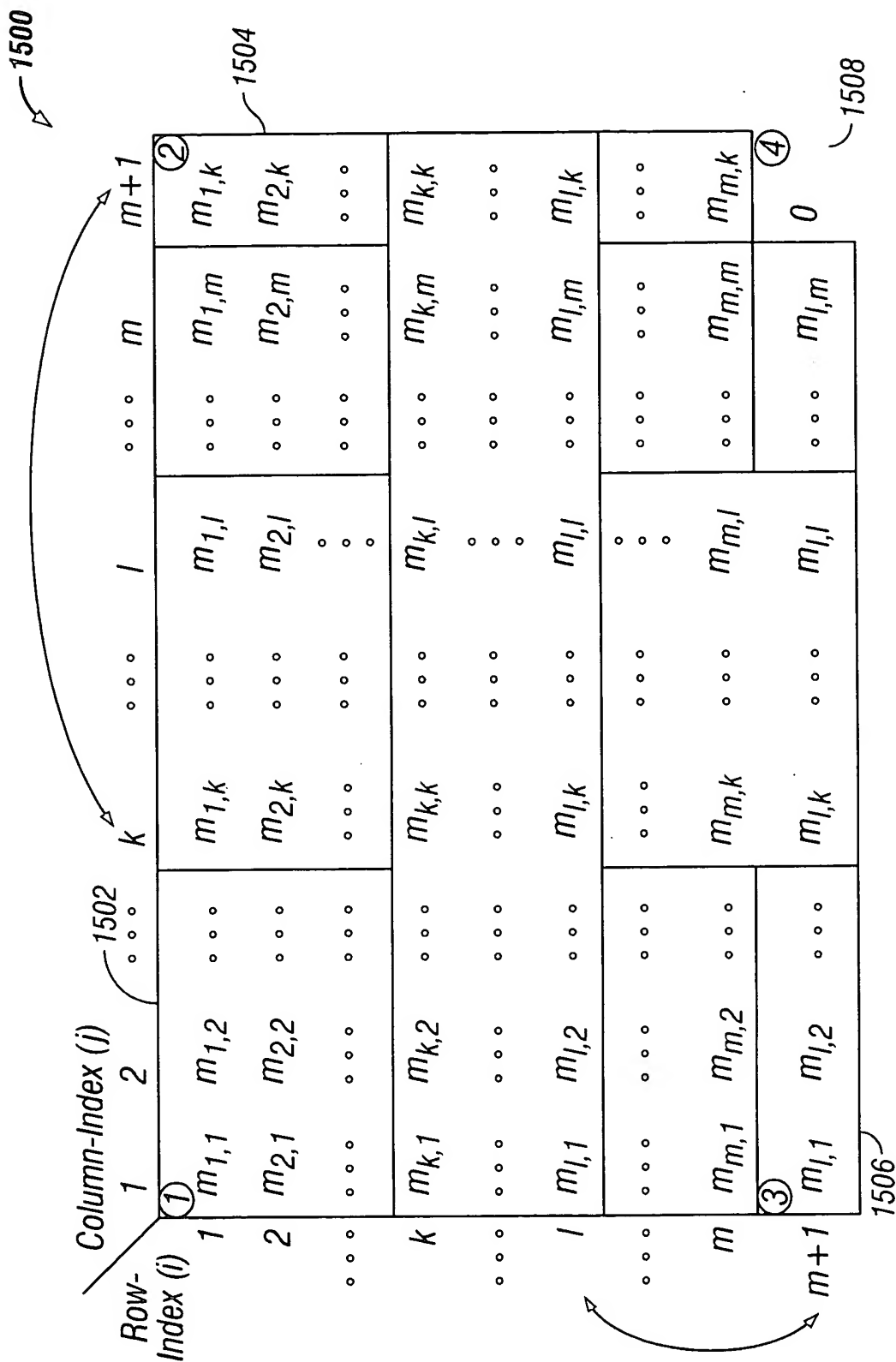


FIG. 15

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Column-Index (j)		1600			
Row-Index (i)	1	...	k-1	k	k+1 ... k+n-1
	1	...	k-1	k	k+n
1	1	$m_{1,1}$	$m_{1,k-1}$	$m_{1,k}$	0
...	...	...	...	...	...
k-1	k-1	$m_{k-1,1}$	$m_{k-1,k-1}$	$m_{k-1,k}$	0
k	k	0	0	$n_{1,1}$	$n_{1,2}$
k+1	k+1	0	0	$n_{2,1}$	$n_{2,2}$
...	...	...	...	...	...
k+n-1	k+n-1	$m_{l,1}$	$m_{l,k-1}$	$n_{n,1}$	$n_{n,2}$
k+n	k+n	$m_{l+1,1}$	$m_{l+1,k-1}$	$m_{l+1,k}$	0
...	...	...	...	...	...
r-1	r-1	$m_{m-1,1}$	$m_{m-1,k-1}$	$m_{m-1,k}$	0
r	r	$m_{m,1}$	$m_{m,k-1}$	$m_{m,k}$	0
1612		1614			
1606		1608			
1	1	$m_{1,l+1}$	...	$m_{1,m-1}$	$m_{1,m}$
...	...	...	...	...	...
k-1	k-1	$m_{k-1,l+1}$	...	$m_{k-1,m-1}$	$m_{k-1,m}$
k	k	0	0	0	0
k+1	k+1	0	0	0	0
...	...	...	...	...	...
k+n-1	k+n-1	$m_{l,l+1}$	...	$m_{l,m-1}$	$m_{l,m}$
k+n	k+n	$m_{l+1,l+1}$	...	$m_{l+1,m-1}$	$m_{l+1,m}$
...	...	...	...	...	...
r-1	r-1	$m_{m-1,l+1}$	...	$m_{m-1,m-1}$	$m_{m-1,m}$
r	r	$m_{m,l+1}$	...	$m_{m,m-1}$	$m_{m,m}$

FIG. 16

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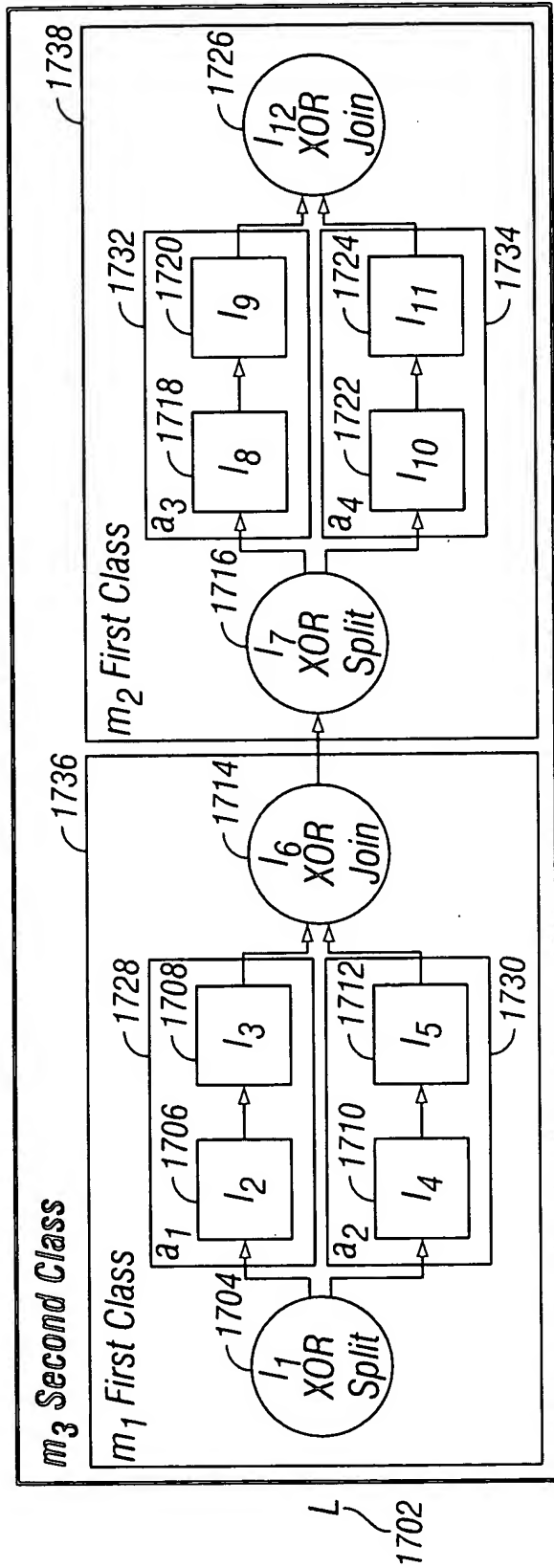


FIG. 17

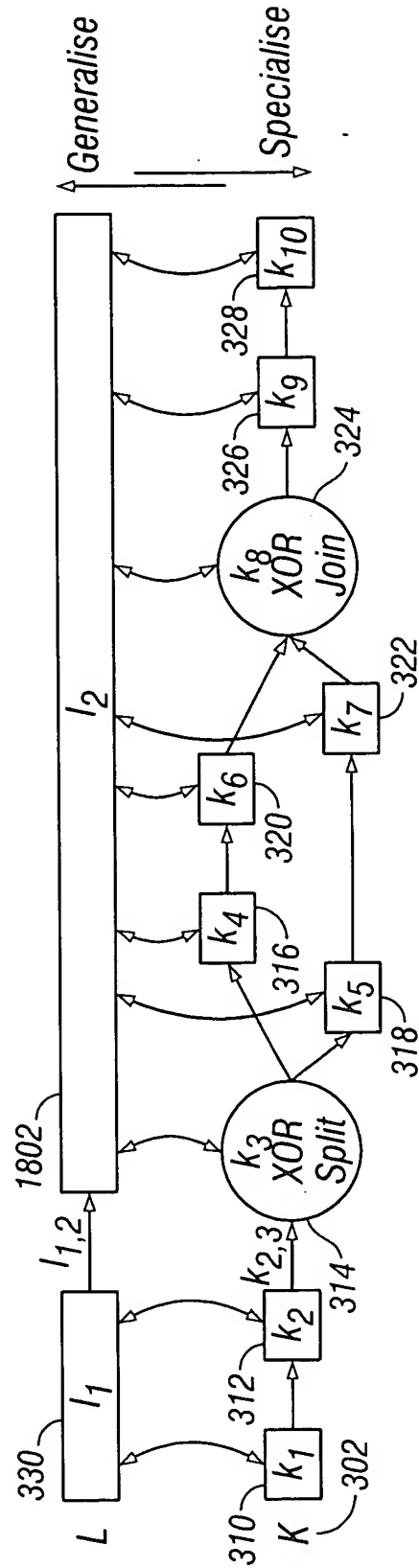


FIG. 18



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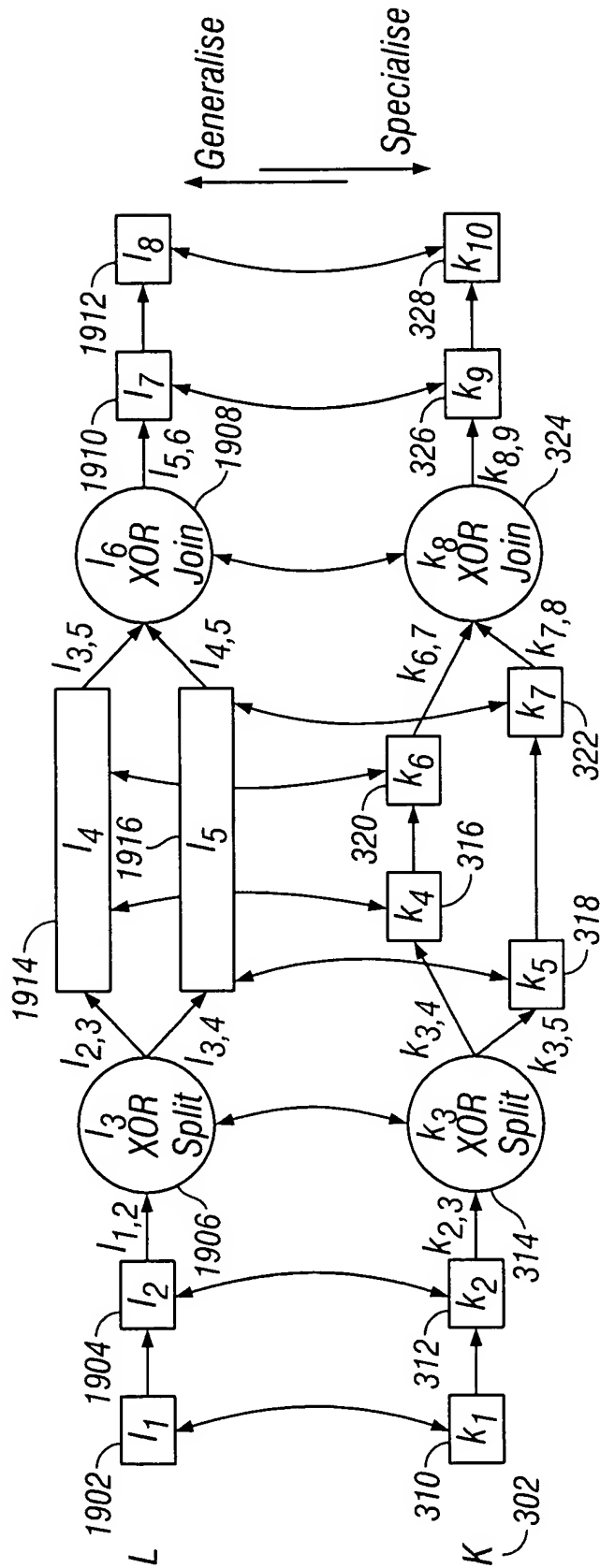
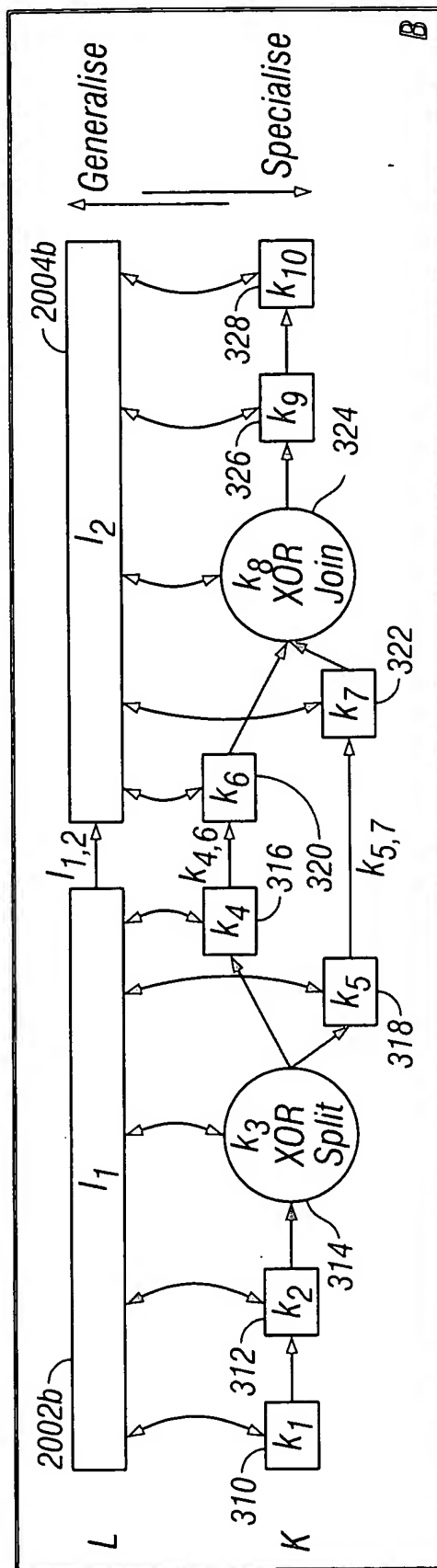
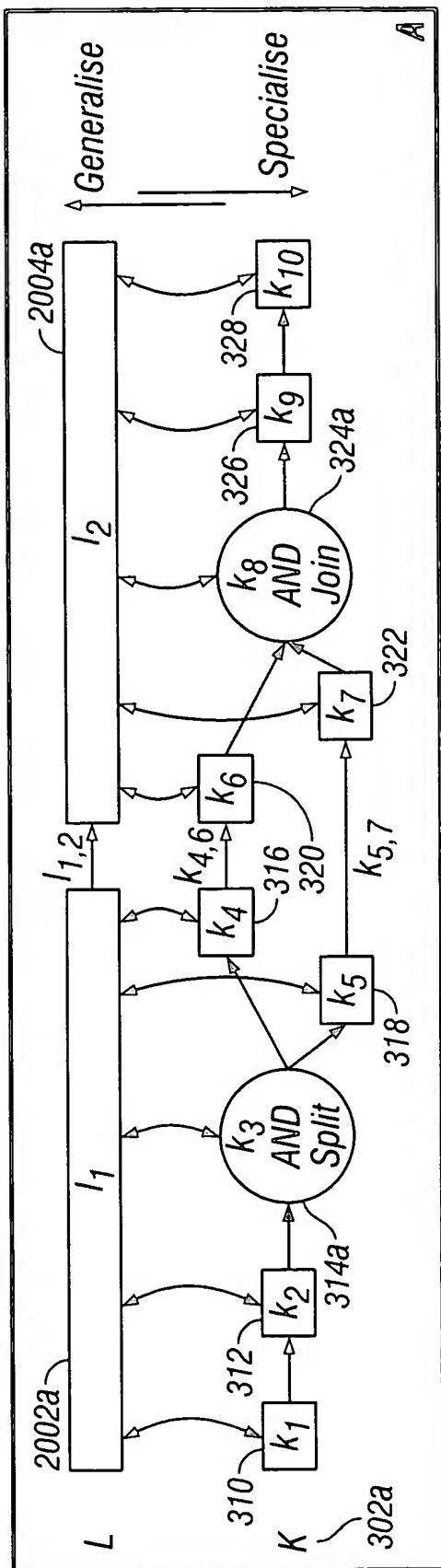


FIG. 19

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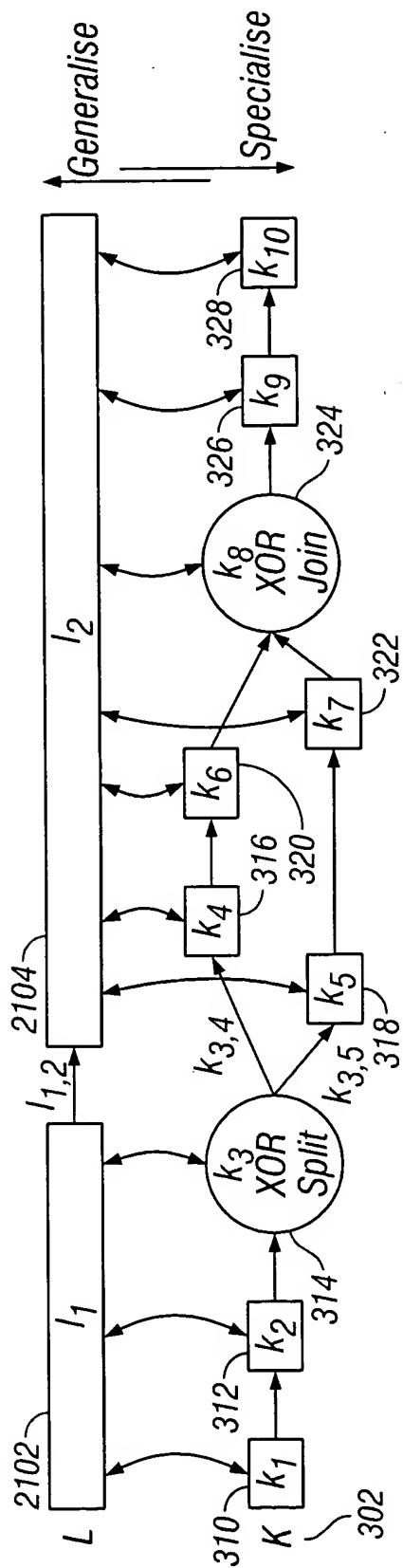


FIG. 21

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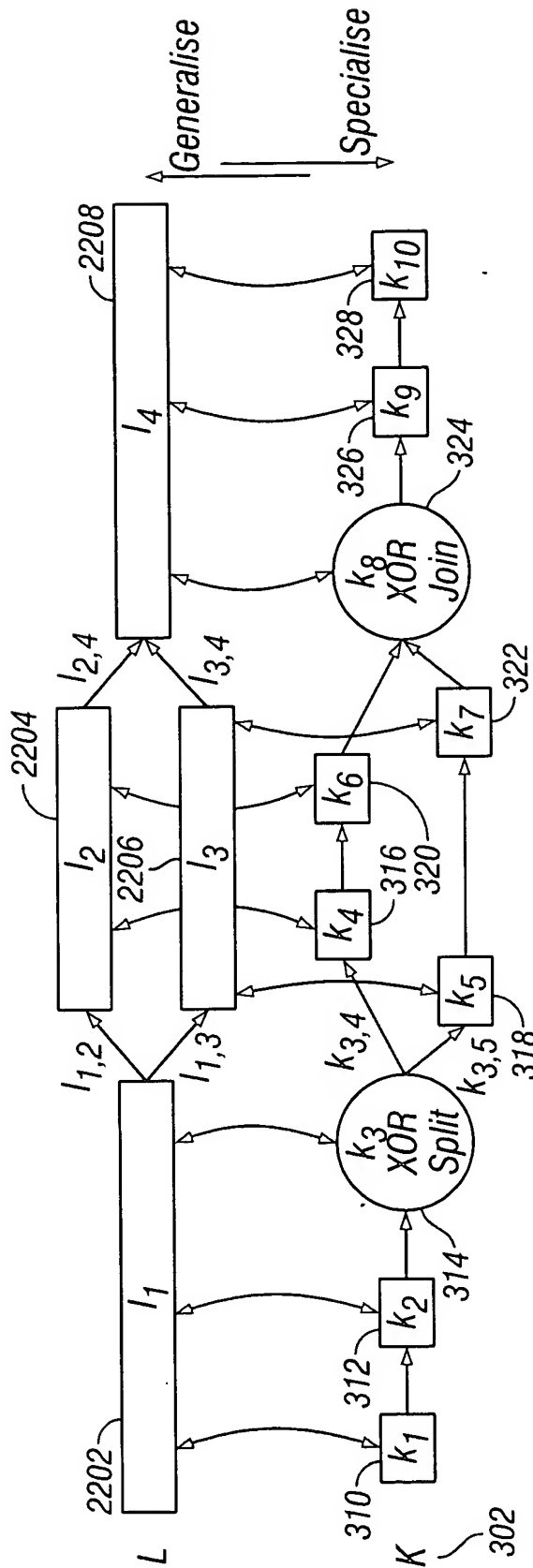


FIG. 22

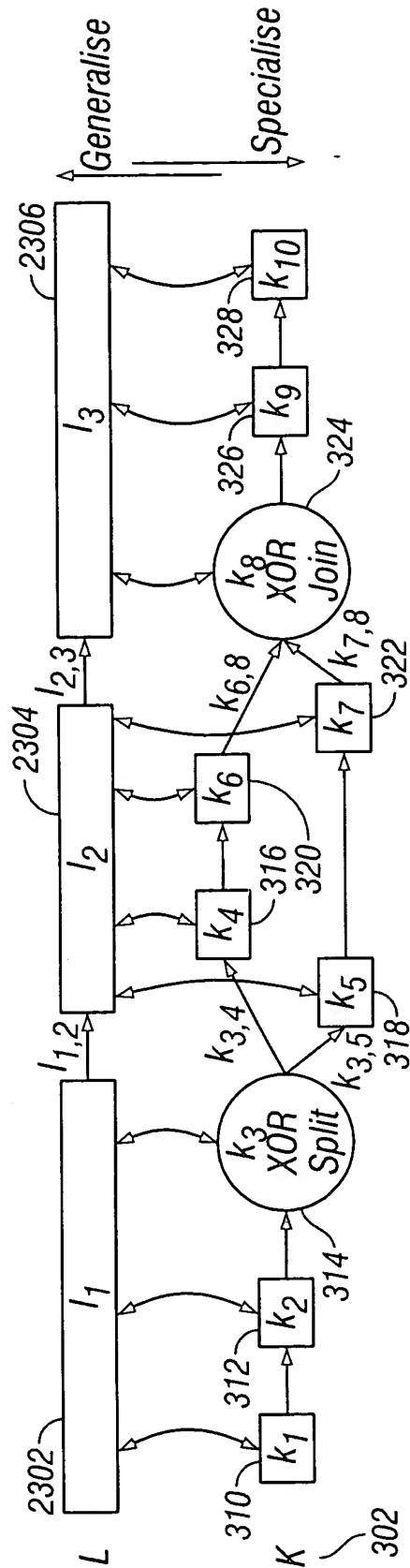


FIG. 23

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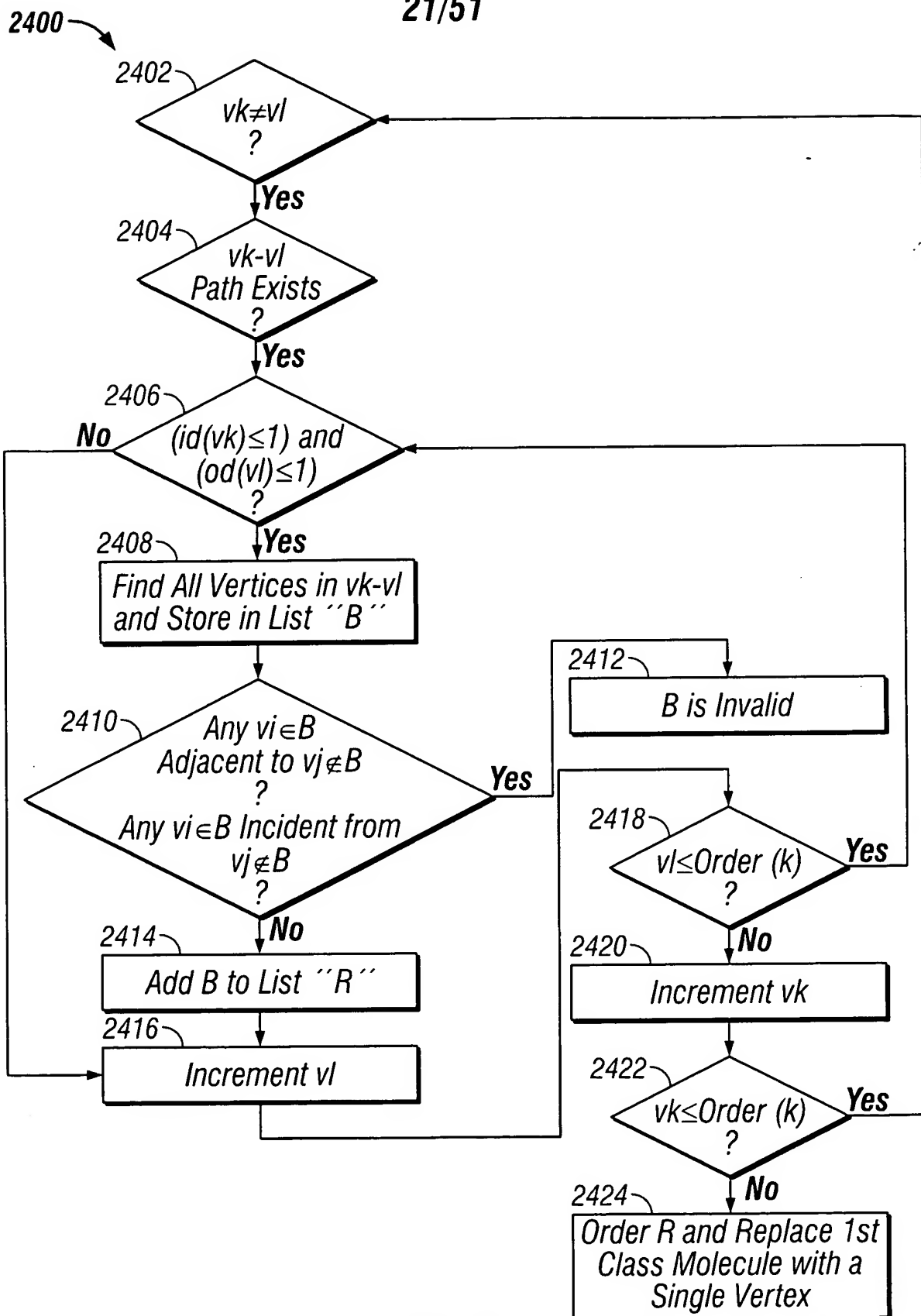


FIG. 24

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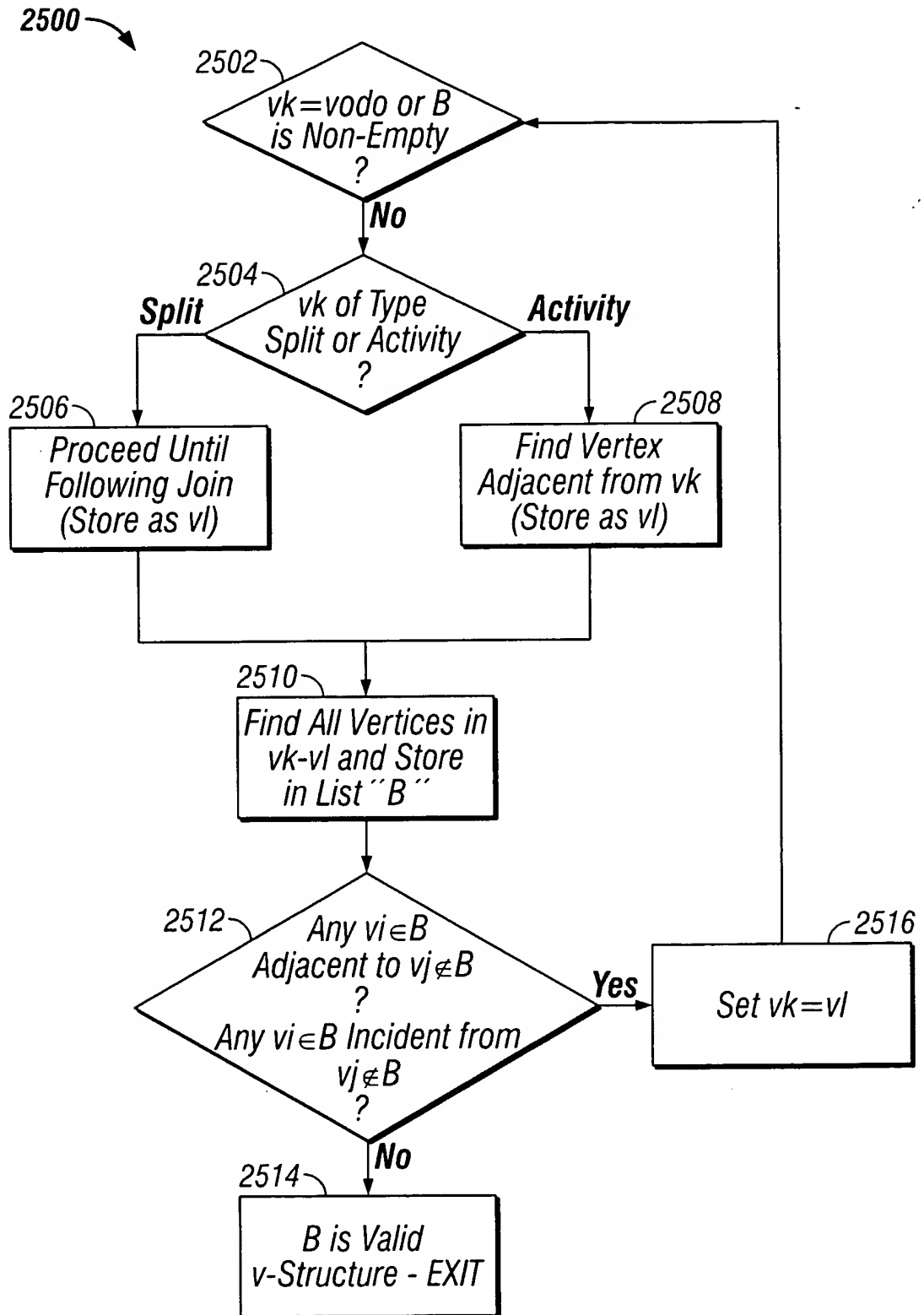


FIG. 25

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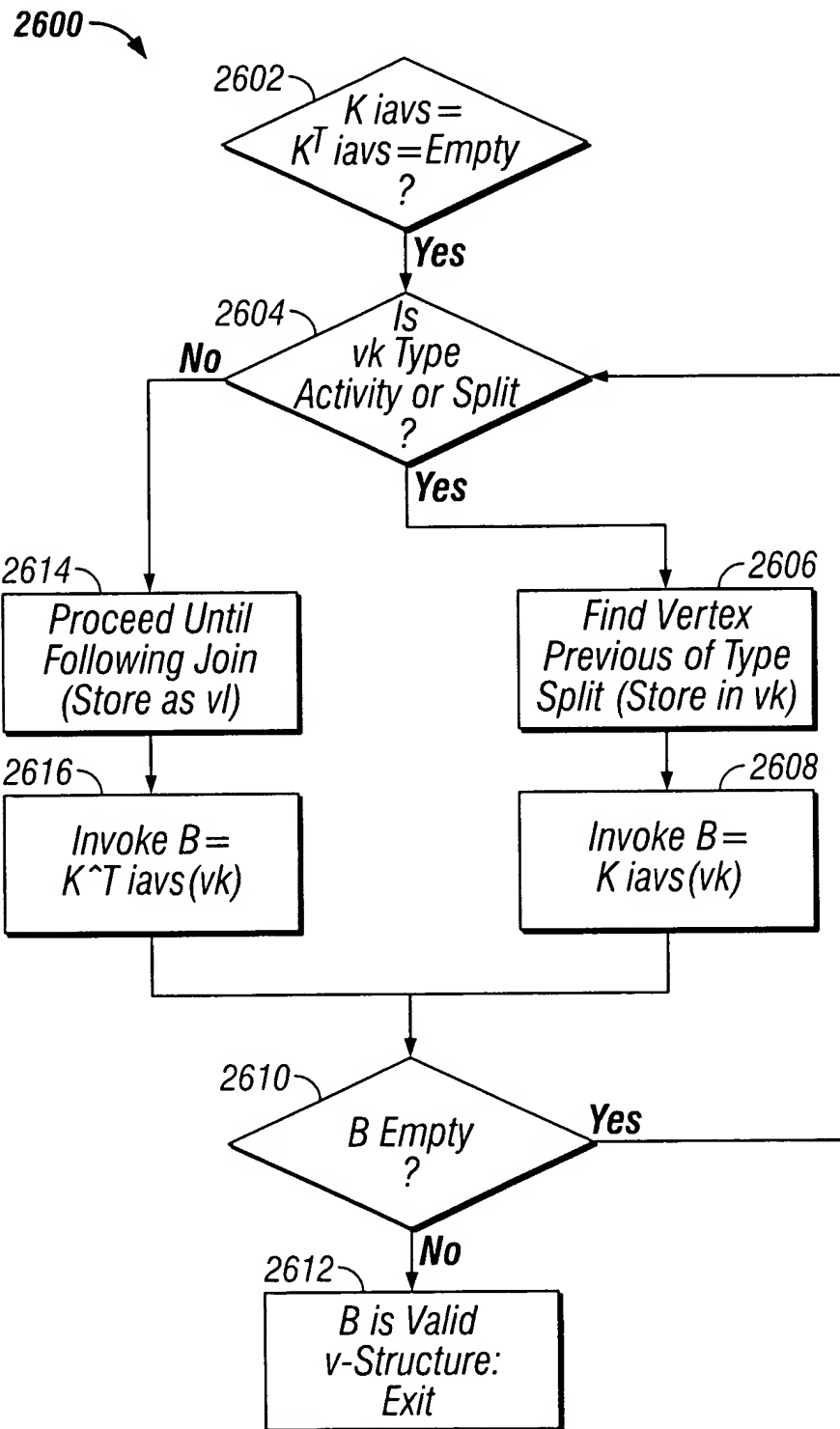


FIG. 26

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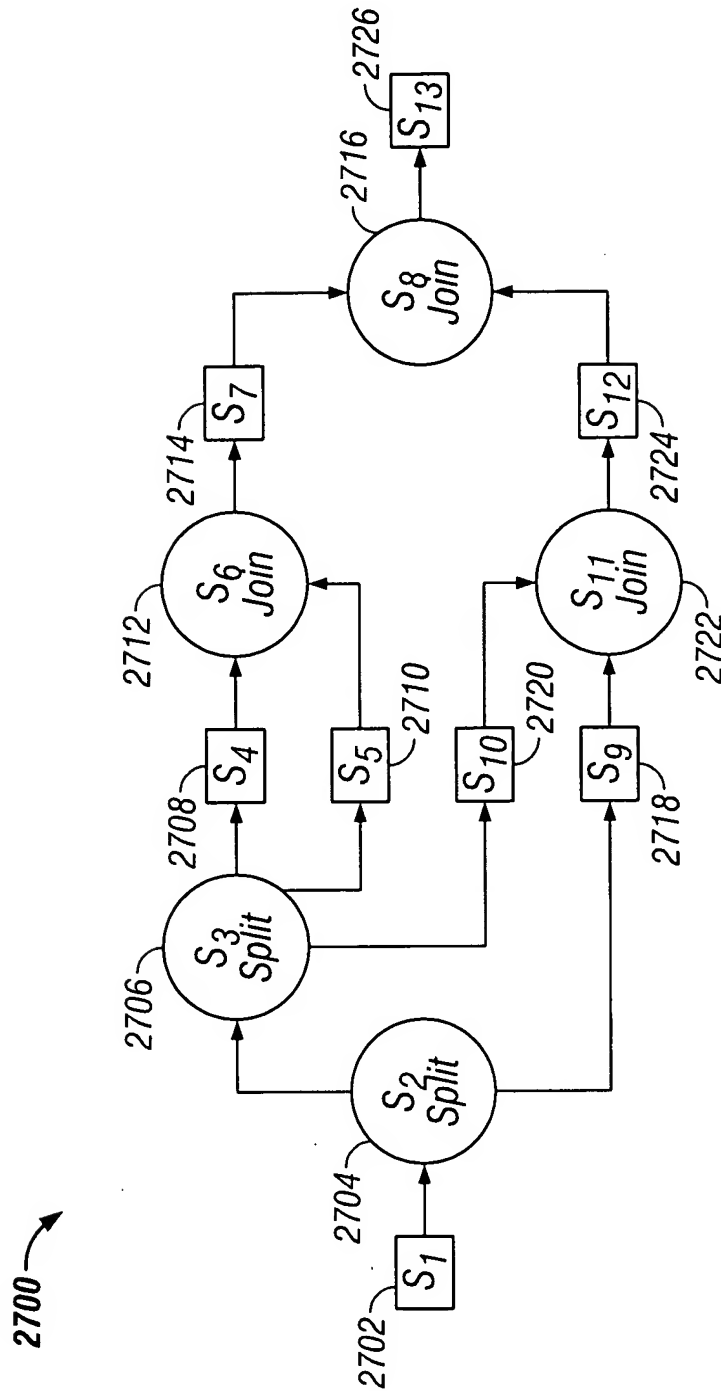


FIG. 27A



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$V_K$	$S_{\text{IaVS}_Q(V_K)}$
$S_1$	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_2$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_3$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_4$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_5$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_6$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_7$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_8$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_9$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_{10}$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_{11}$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_{12}$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
$S_{13}$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}, S_{13}\}$

FIG. 27B

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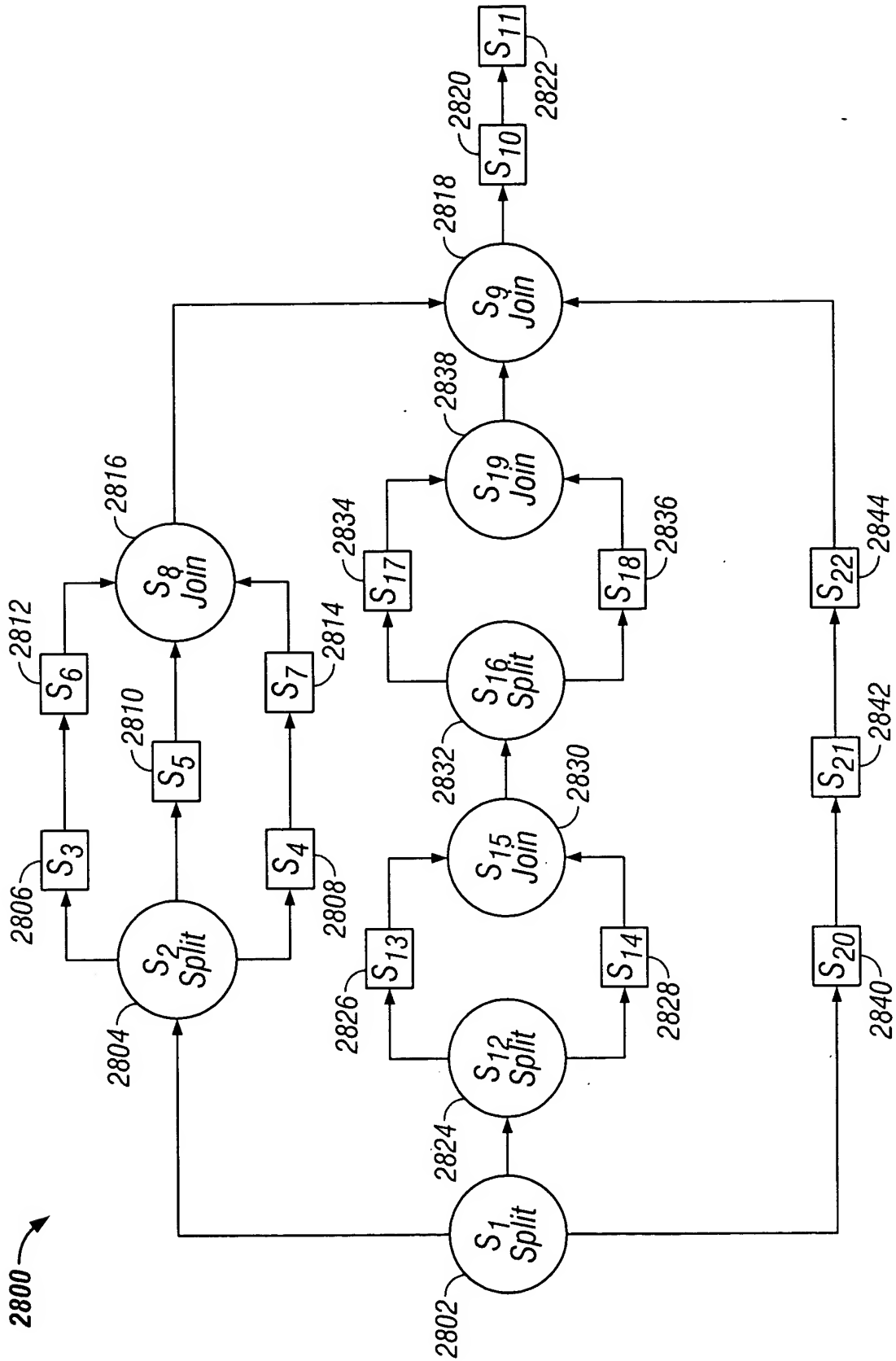


FIG. 28A

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$V_k$	$S_{\text{IaVS}_e}(V_k)$
$S_1$	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{12}, S_{13}, S_{14}, S_{15}, S_{16}, S_{17}, S_{18}, S_{19}, S_{20}, S_{21}, S_{22}\}$
$S_2$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8\}$
$S_3$	$\{S_3, S_6\}$
$S_4$	$\{S_4, S_7\}$
$S_5$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8\}$
$S_6$	$\{S_3, S_6\}$
$S_7$	$\{S_4, S_7\}$
$S_8$	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8\}$
$S_9$	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{12}, S_{13}, S_{14}, S_{15}, S_{16}, S_{17}, S_{18}, S_{19}, S_{20}, S_{21}, S_{22}\}$
$S_{10}$	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{12}, S_{13}, S_{14}, S_{15}, S_{16}, S_{17}, S_{18}, S_{19}, S_{20}, S_{21}, S_{22}\},$ $\{S_{10}, S_{11}\}$
$S_{11}$	$\{S_{10}, S_{11}\}$
$S_{12}$	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
$S_{13}$	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
$S_{14}$	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
$S_{15}$	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
$S_{16}$	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
$S_{17}$	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
$S_{18}$	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
$S_{19}$	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
$S_{20}$	$\{S_{20}, S_{21}\}$
$S_{21}$	$\{S_{20}, S_{21}\}, \{S_{21}, S_{22}\}$
$S_{22}$	$\{S_{21}, S_{22}\}$

FIG. 28B

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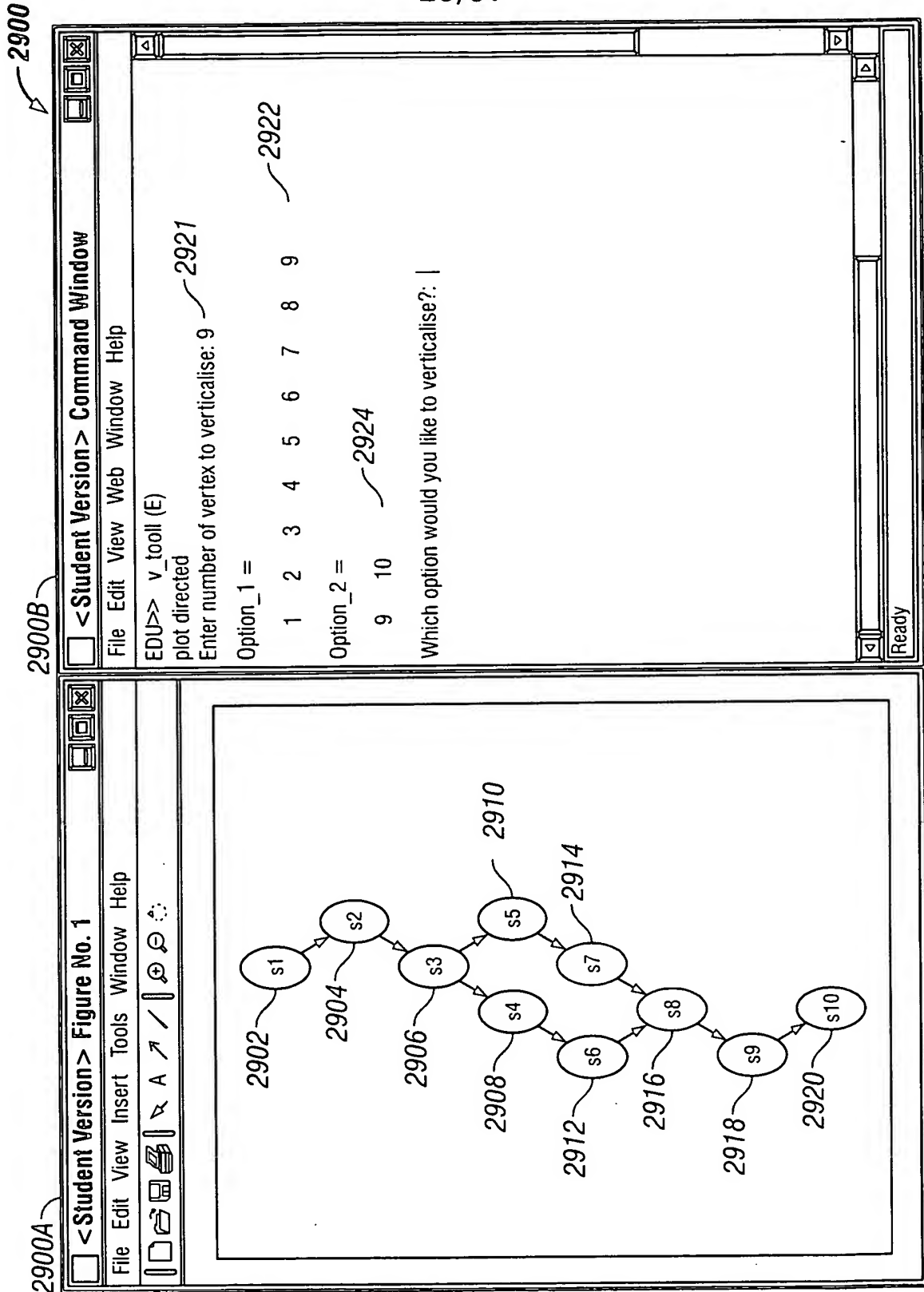


FIG. 29

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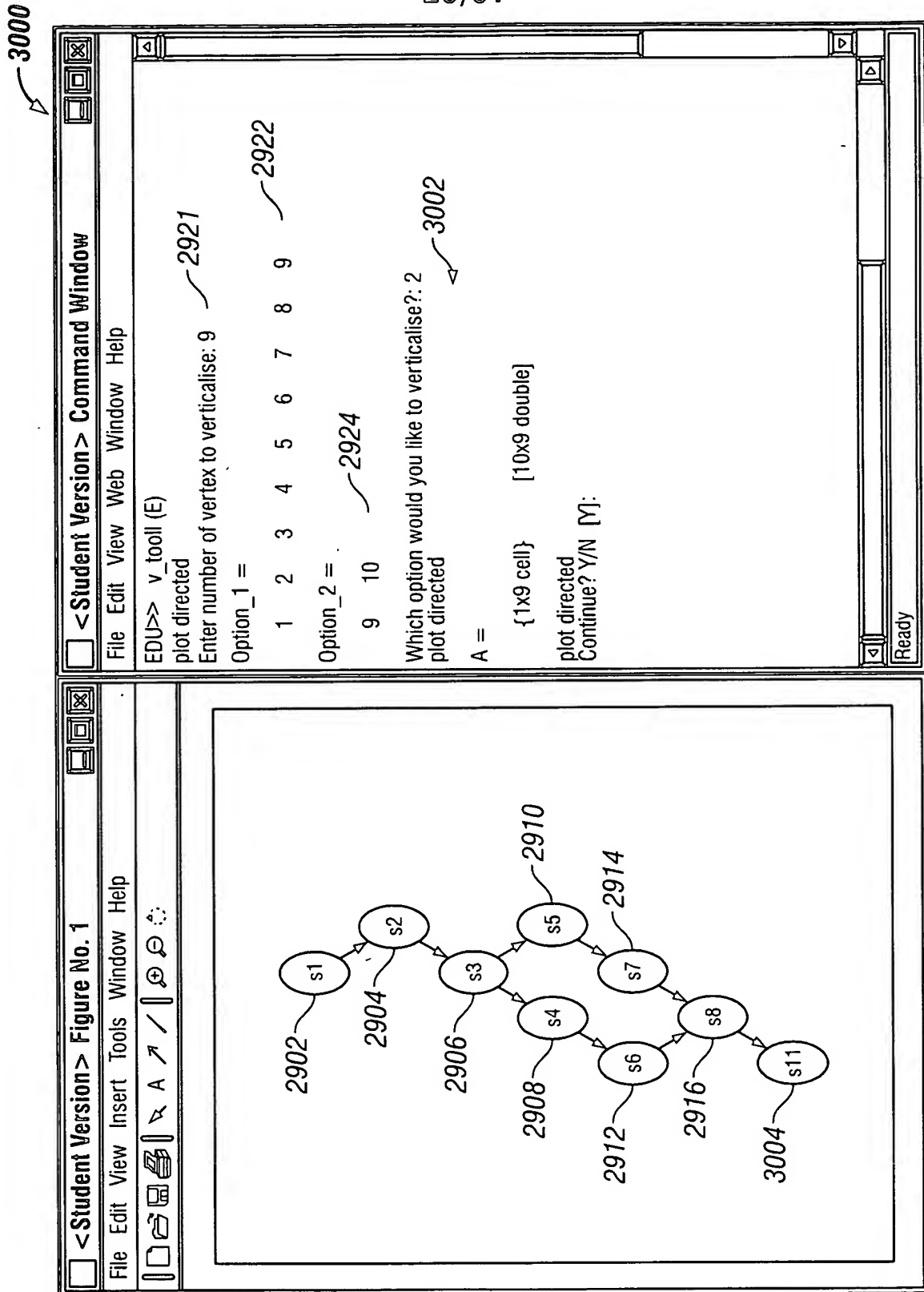


FIG. 30

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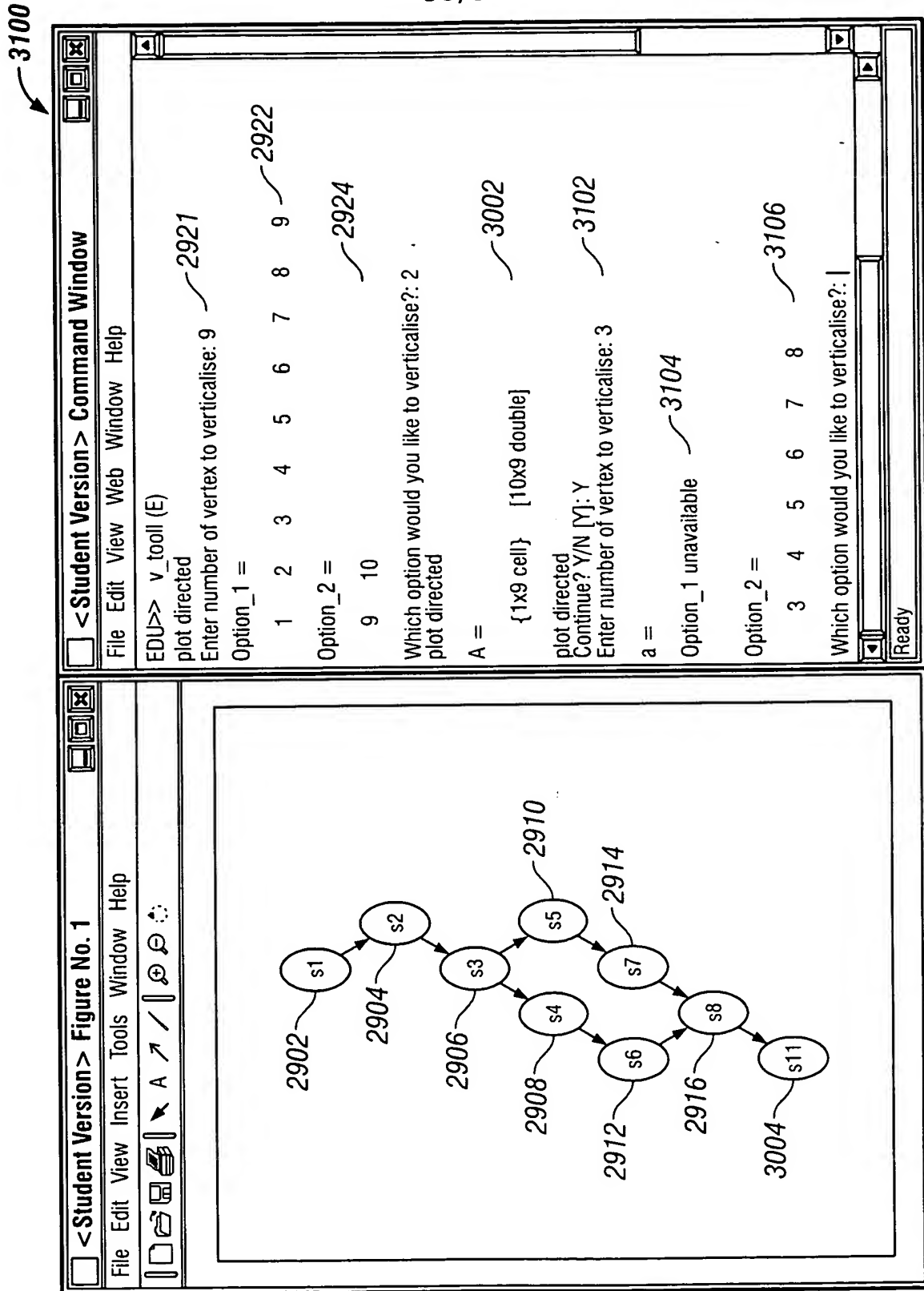


FIG. 31

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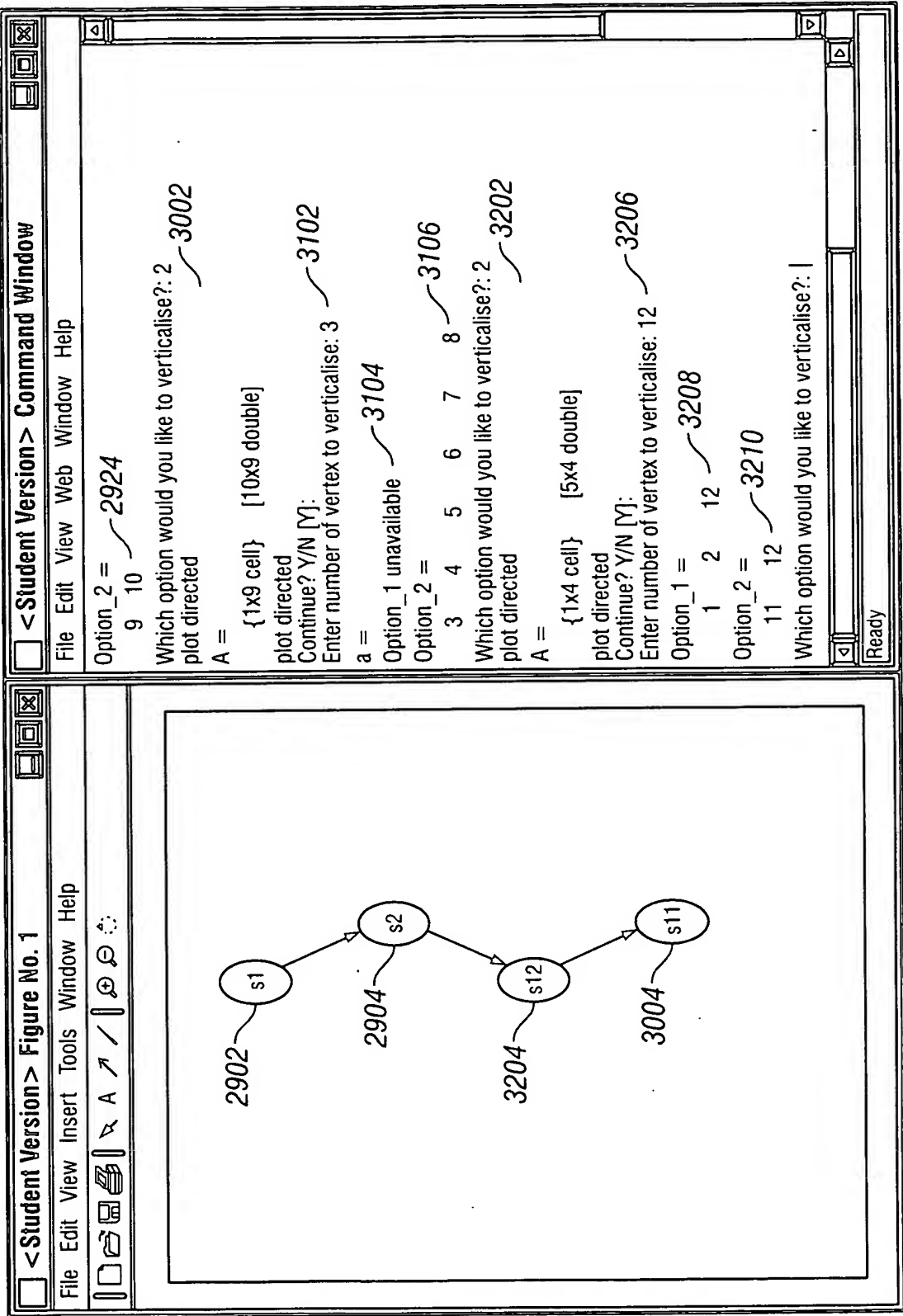


FIG. 32

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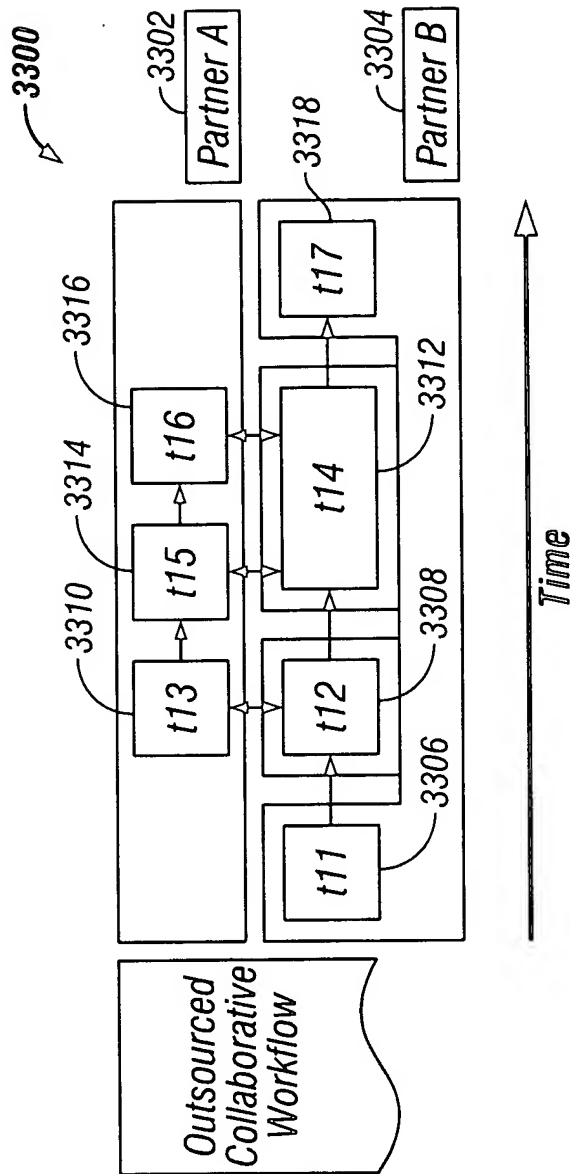


FIG. 33

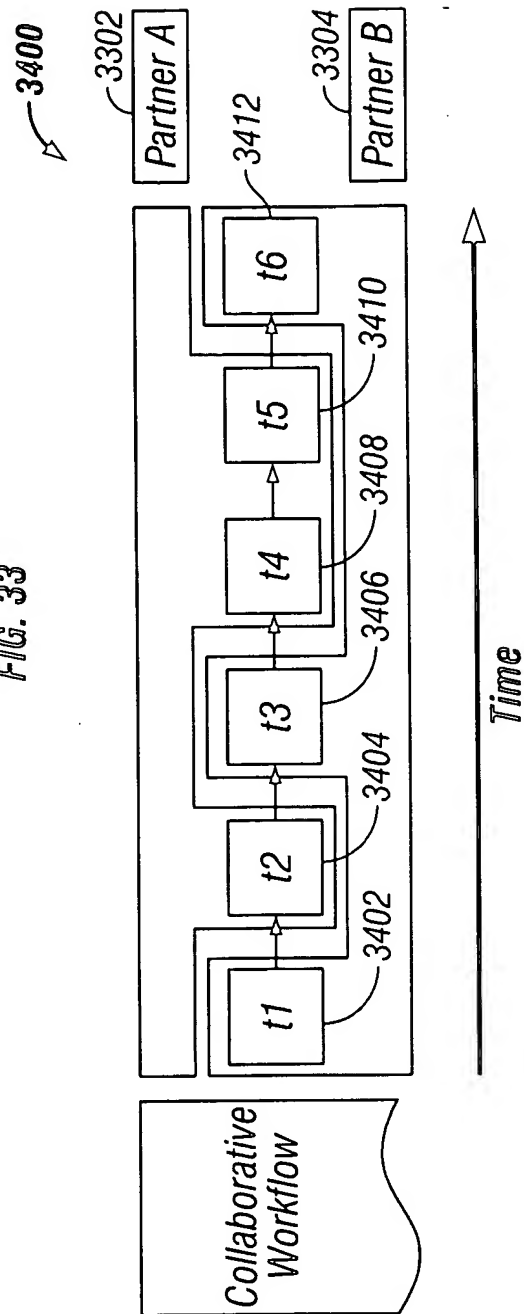


FIG. 34



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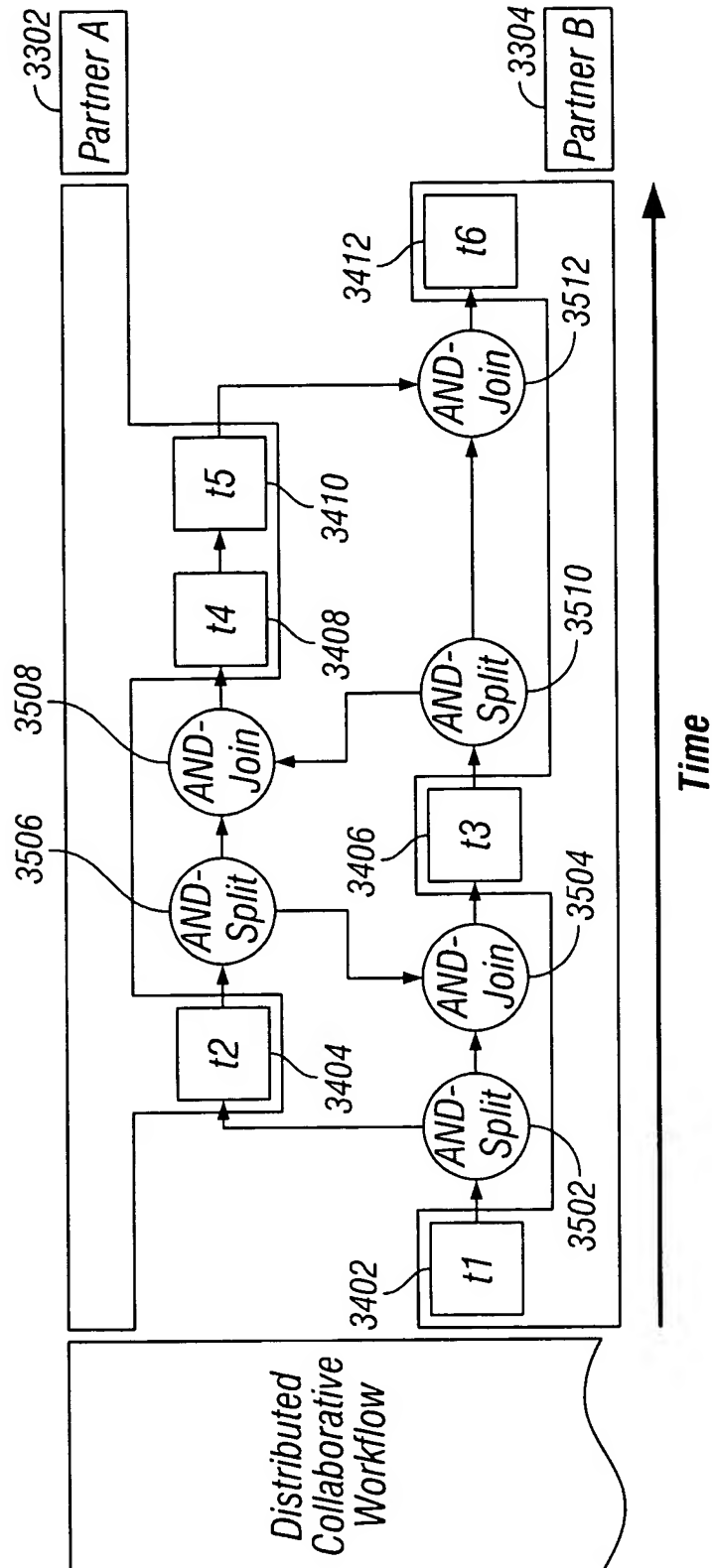


FIG. 35

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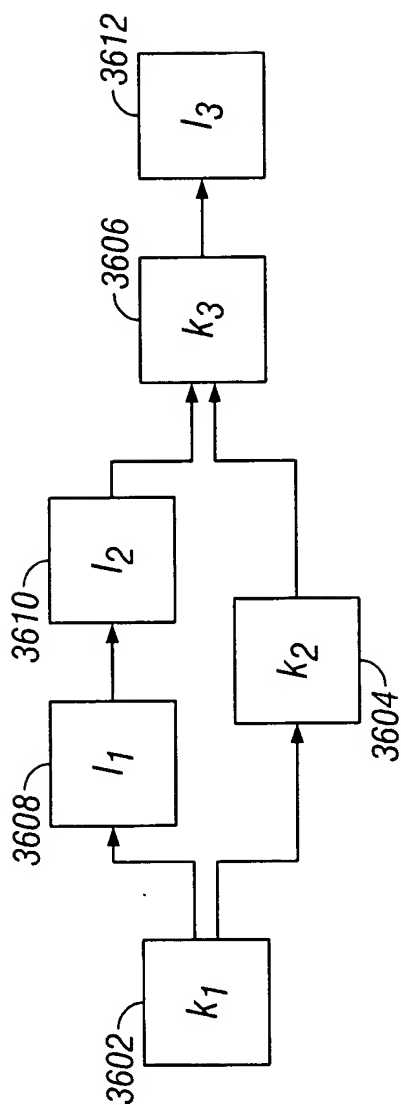


FIG. 36

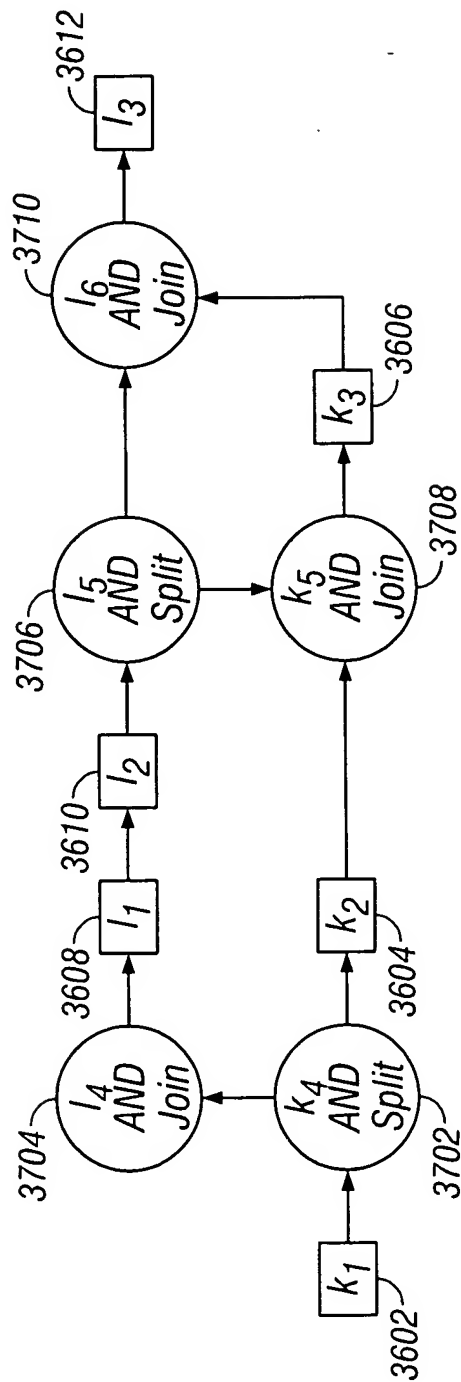


FIG. 37

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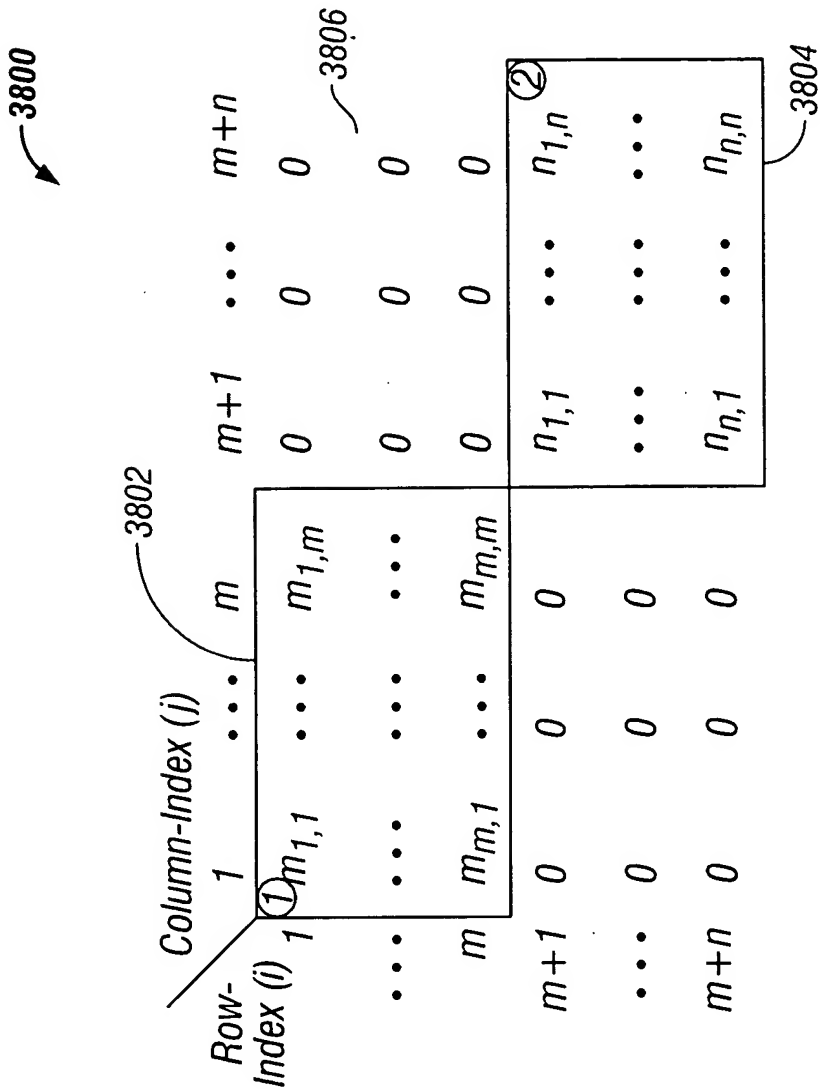


FIG. 38

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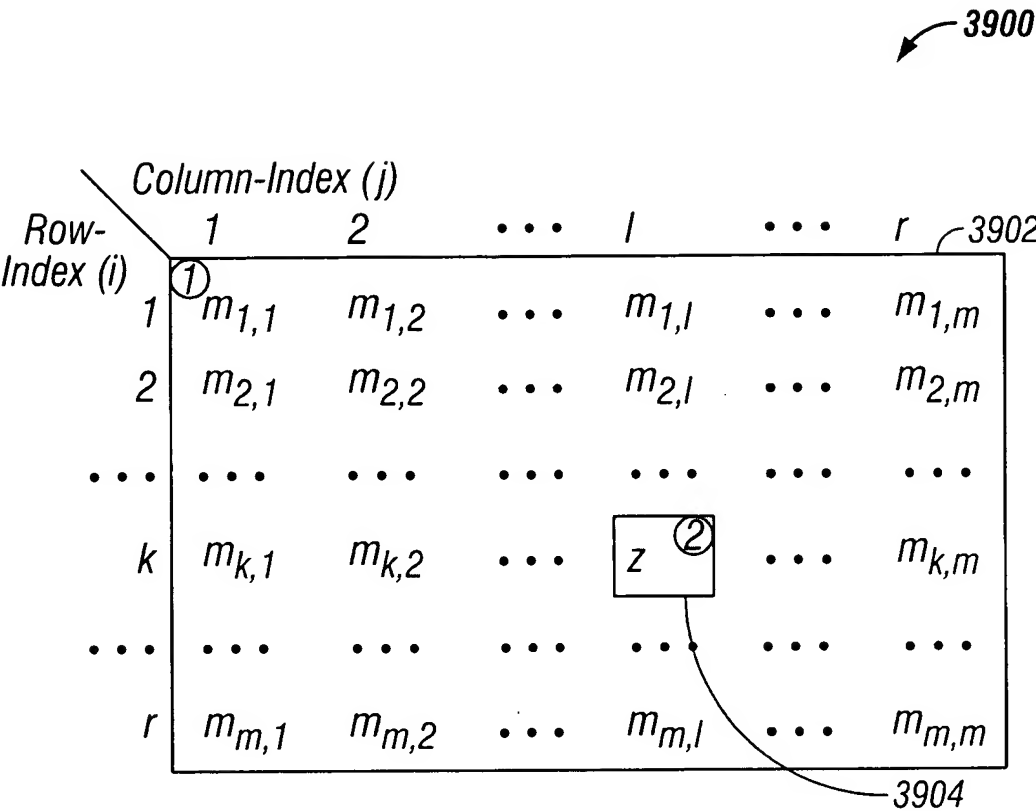


FIG. 39

Row-Index (i)	Column-Index (j)	1	2	...	k	m	r
1	1	$m_{1,1}$	$m_{1,2}$	...	0	$m_{1,m}$	$m_{1,k}$
2	2	$m_{2,1}$	$m_{2,2}$	...	0	$m_{2,m}$	$m_{2,k}$
...	...	...	...	...	0	...	...
k	k	$m_{k,1}$	$m_{k,2}$	...	0	$m_{k,m}$	$m_{k,k}$
...	...	...	...	...	0	...	...
m	m	$m_{m,1}$	$m_{m,2}$	...	0	$m_{m,m}$	$m_{m,k}$
r	r	0	0	0	1	0	0

**FIG. 40**

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4100

Row-Index (i)	Column-Index (j)	1	2	...	k	...	m	r
1	1	$m_{1,1}$	$m_{1,2}$	...	$m_{1,k}$	...	$m_{1,m}$	0
2		$m_{2,1}$	$m_{2,2}$	...	$m_{2,k}$	...	$m_{2,m}$	0
...		...	...	...	...	...	...	0
k		0	0	0	0	0	0	1
...		...	...	...	...	...	...	0
m		$m_{m,1}$	$m_{m,2}$	...	$m_{m,k}$	...	$m_{m,m}$	0
r		$m_{k,1}$	$m_{k,2}$	...	$m_{k,k}$	...	$m_{k,m}$	0

4106

4104

FIG. 41

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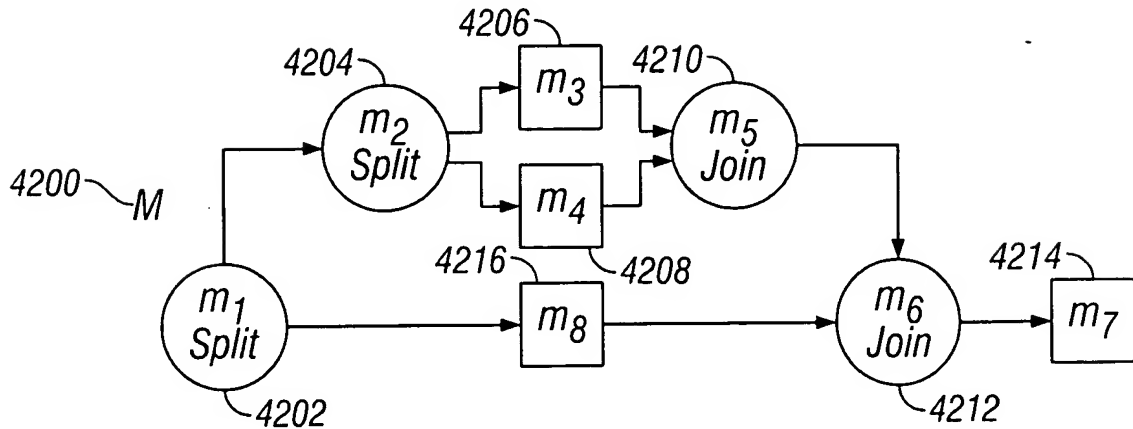


FIG. 42

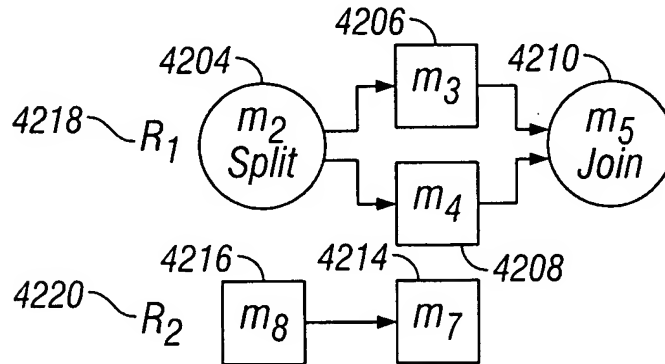


FIG. 42A

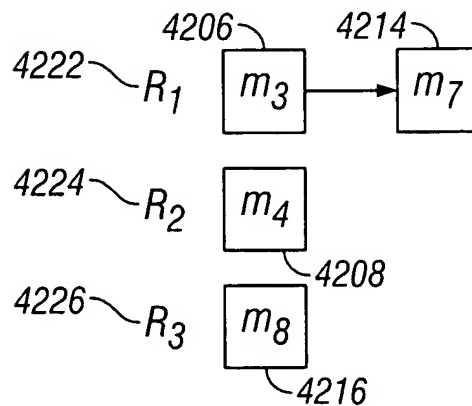


FIG. 42B

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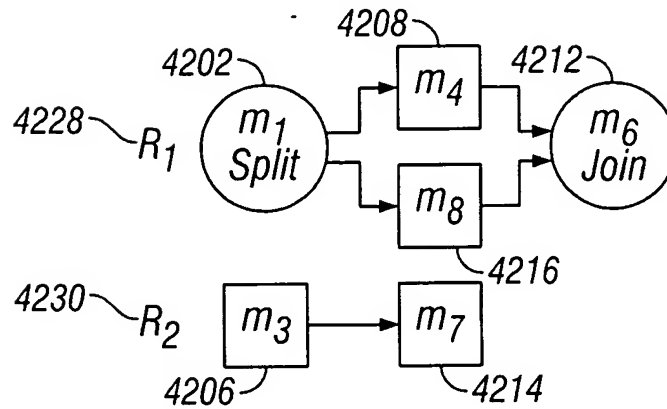


FIG. 42C

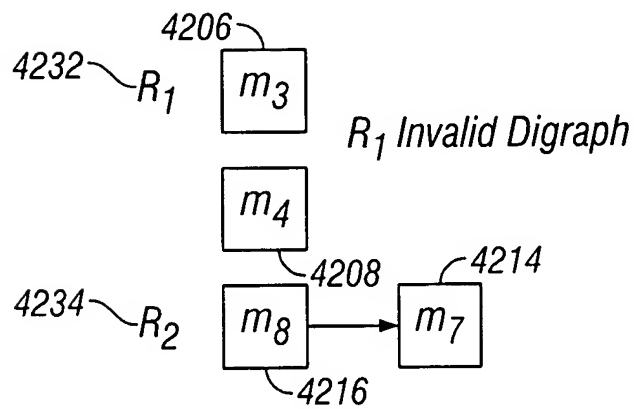


FIG. 42D



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4300

Column-Index (j)		1	2	...	k-1	k	k+1	...	r
Row-Index (i)	1	$m_{1,1}$	$m_{1,2}$	...	$m_{1,k-1}$	$m_{1,k+1}$	$m_{1,k+2}$	...	$m_{1,m}$
	2	$m_{2,1}$	$m_{2,2}$	...	$m_{2,k-1}$	$m_{2,k+1}$	$m_{2,k+2}$	...	$m_{2,m}$
...	...	...	...	...	...	...	...	...	...
	k-1	$m_{k-1,1}$	$m_{k-1,2}$	...	$m_{k-1,k-1}$	$m_{k-1,k+1}$	$m_{k-1,k+2}$	...	$m_{k-1,m}$
k	k	$m_{k+1,1}$	$m_{k+1,2}$	...	$m_{k+1,k-1}$	$m_{k+1,k+1}$	$m_{k+1,k+2}$	...	$m_{k+1,m}$
	k+1	$m_{k+2,1}$	$m_{k+2,2}$	...	$m_{k+2,k-1}$	$m_{k+2,k+1}$	$m_{k+2,k+2}$	...	$m_{k+2,m}$
...	...	...	...	...	...	...	...	...	...
	r	$m_{m,1}$	$m_{m,2}$	...	$m_{m,k-1}$	$m_{m,k+1}$	$m_{m,k+2}$	...	$m_{m,m}$

4306

4308

FIG. 43

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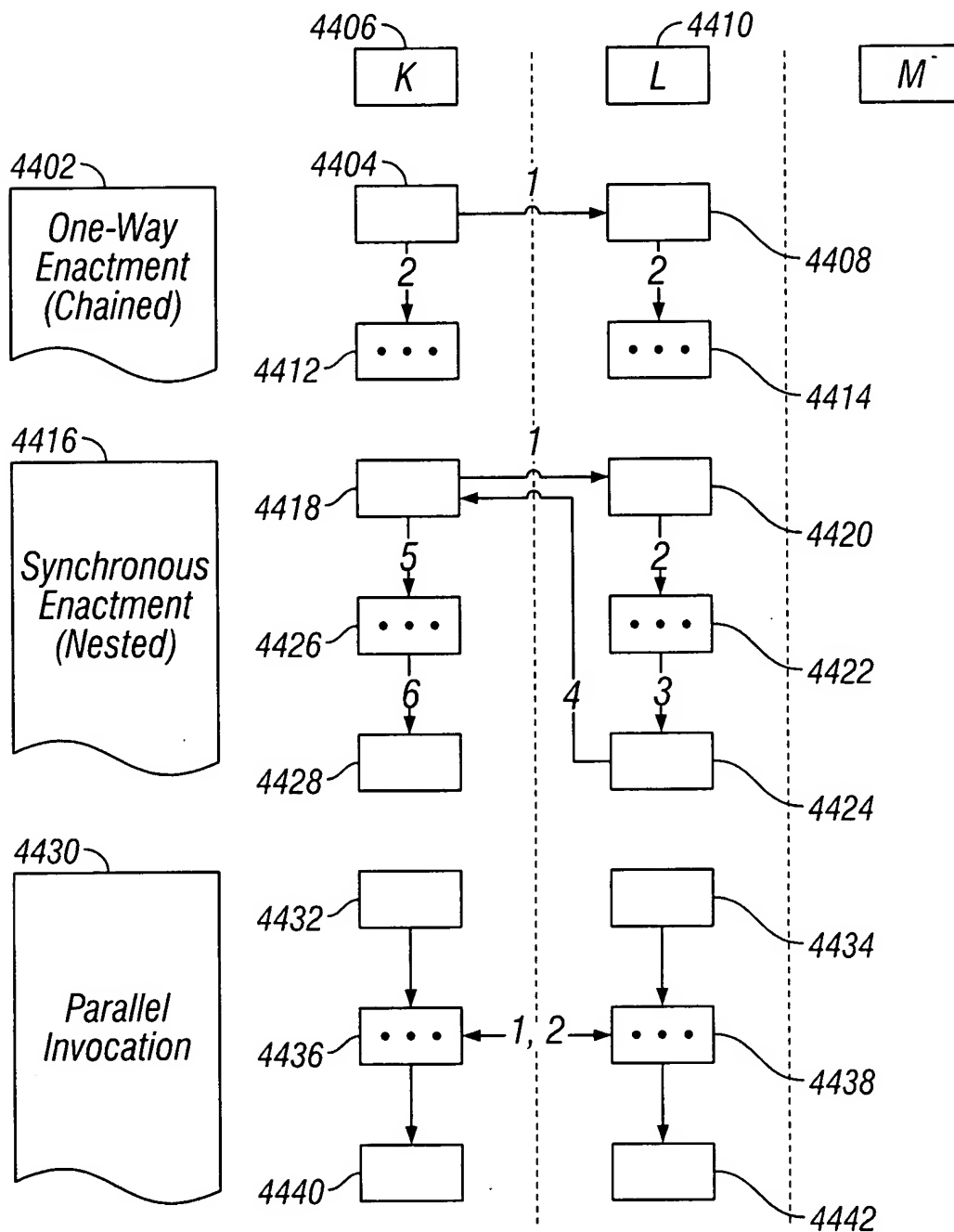


FIG. 44

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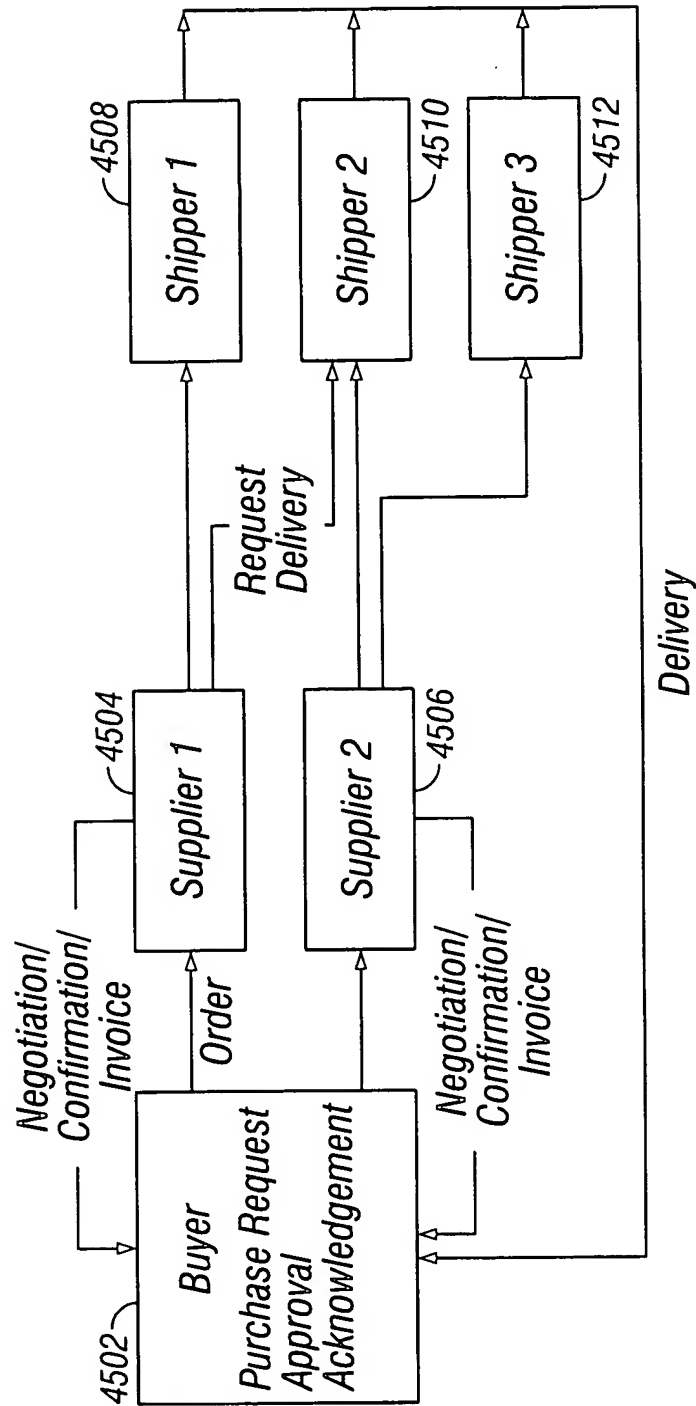


FIG. 45

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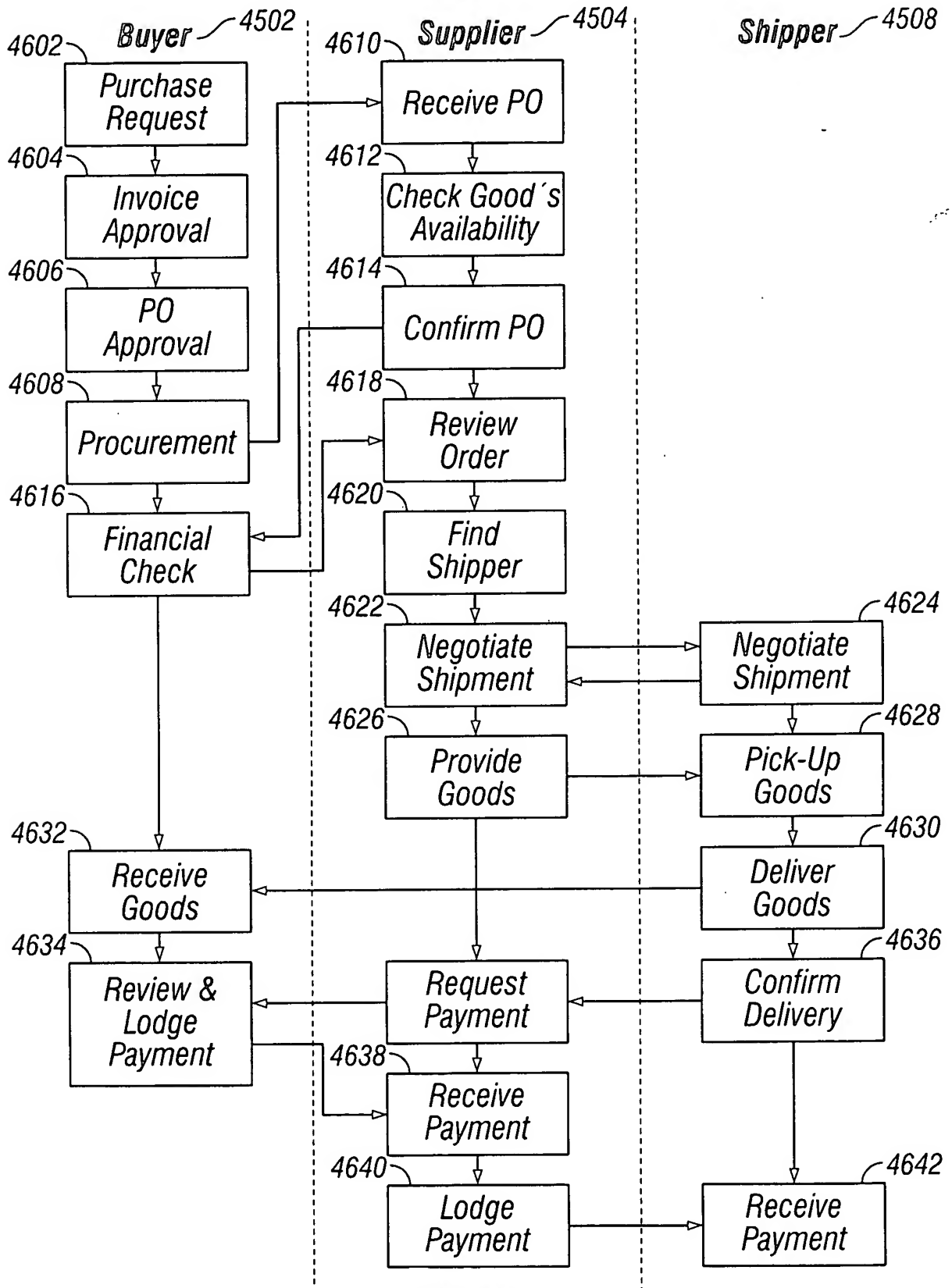


FIG. 46

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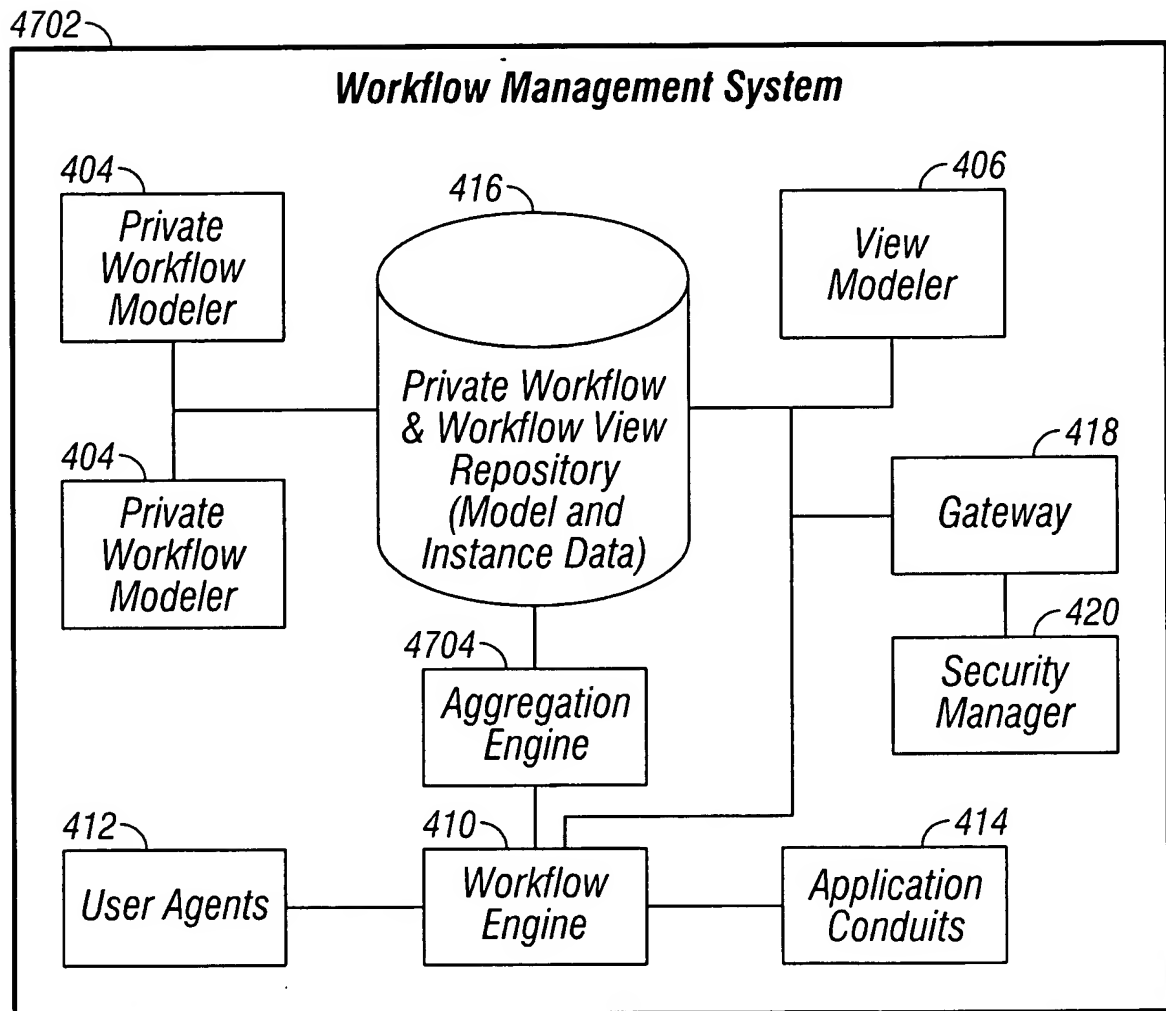


FIG. 47

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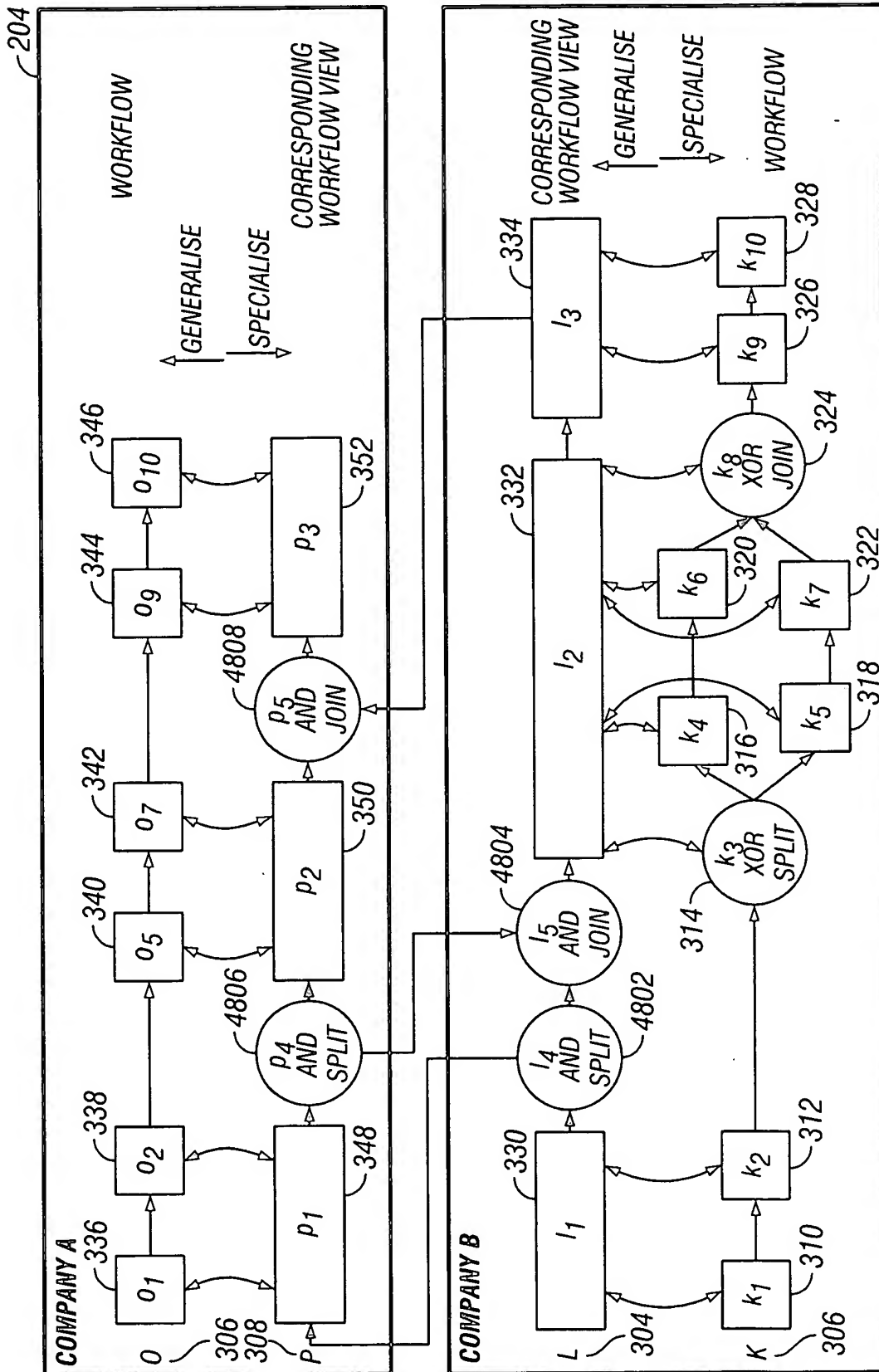
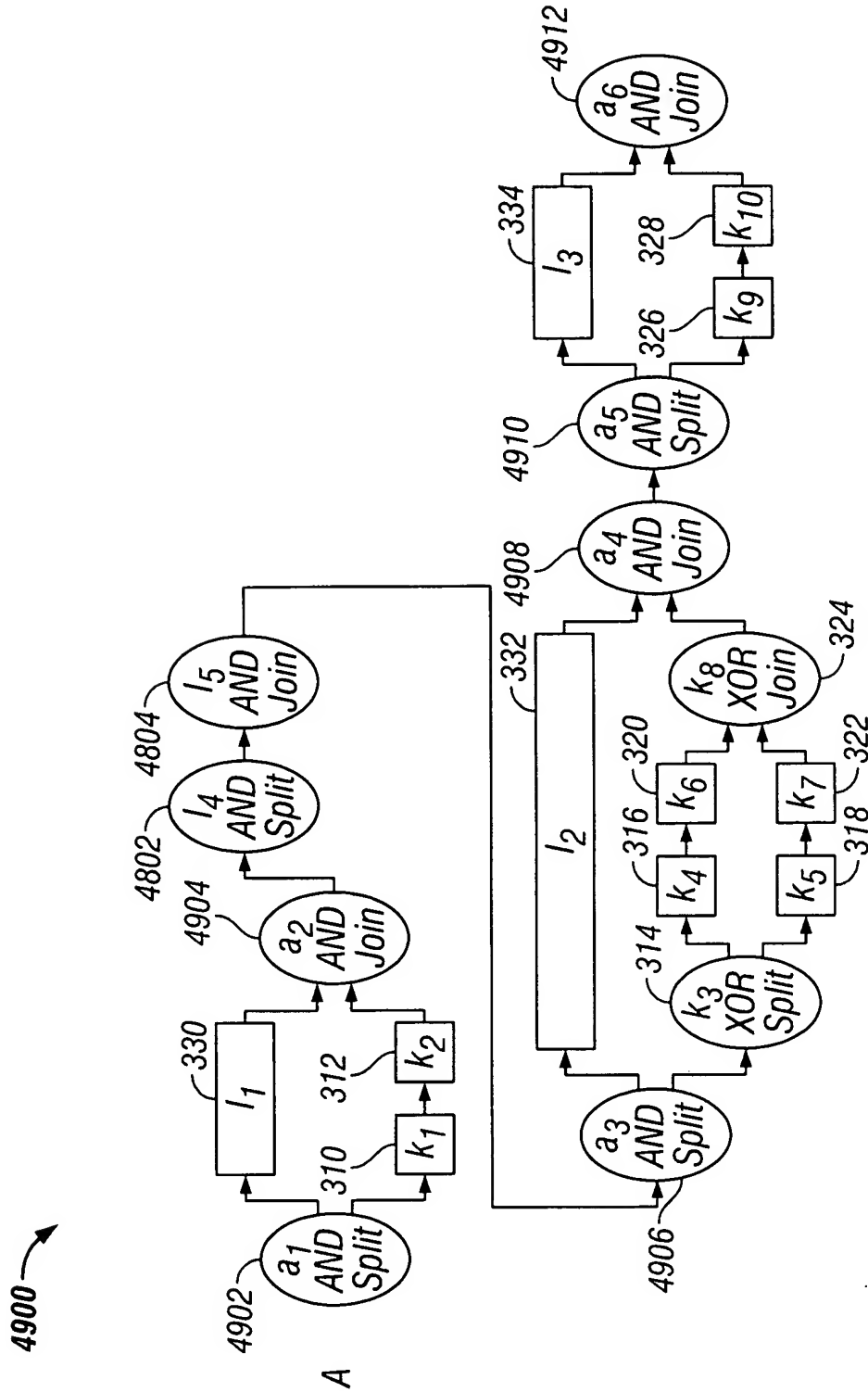


FIG. 48

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**FIG. 49**

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5000

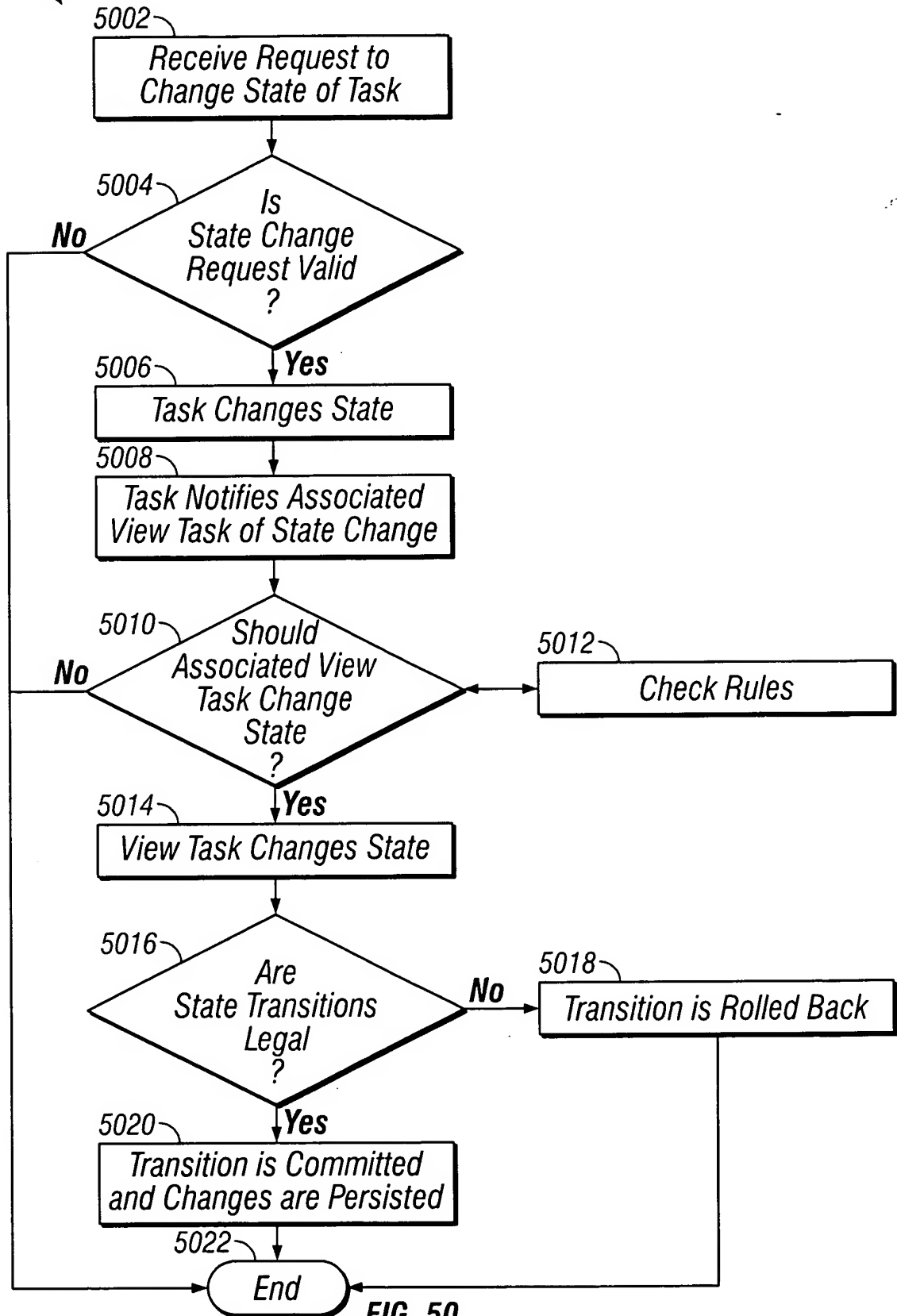


FIG. 50



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5100

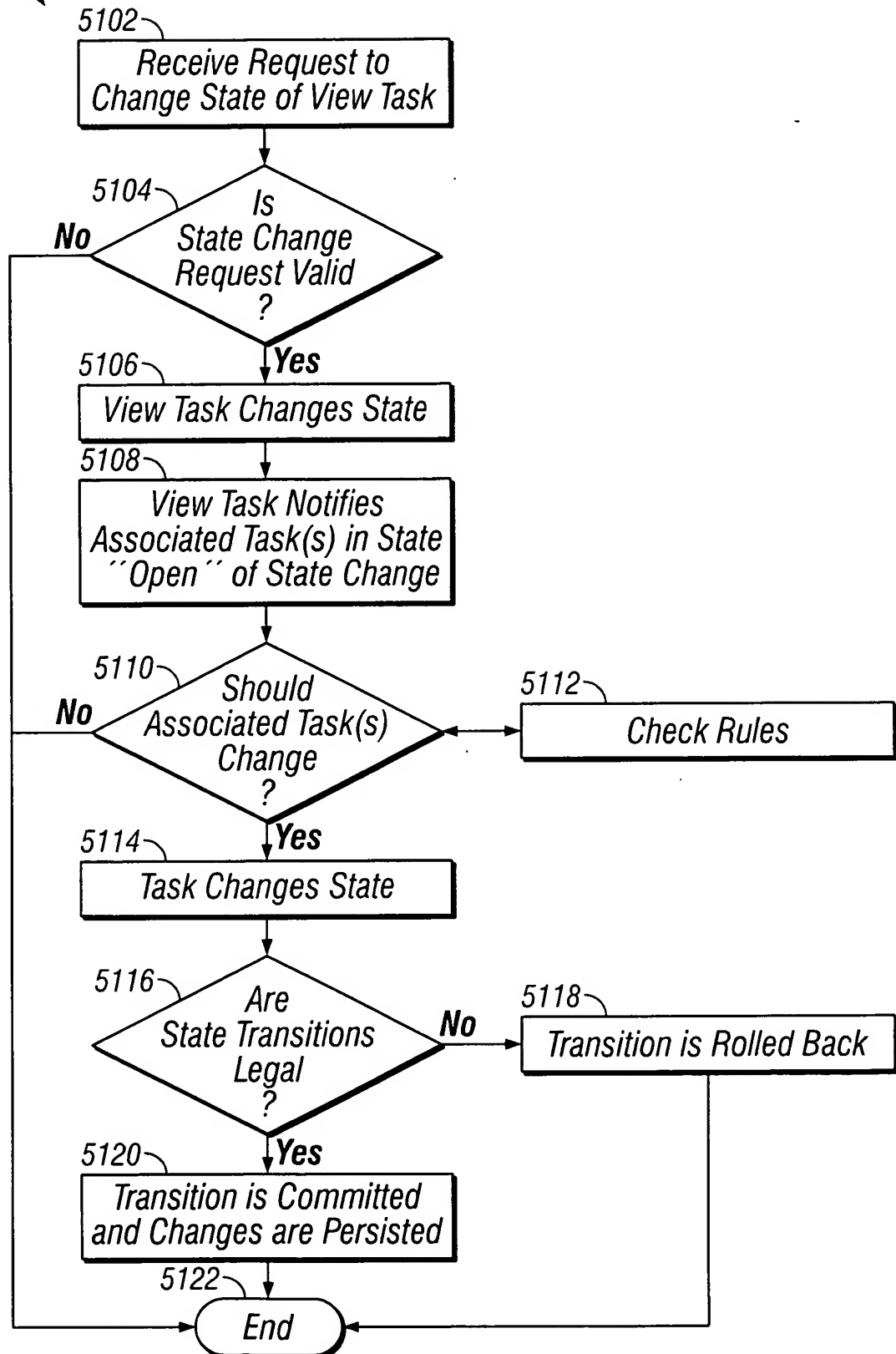
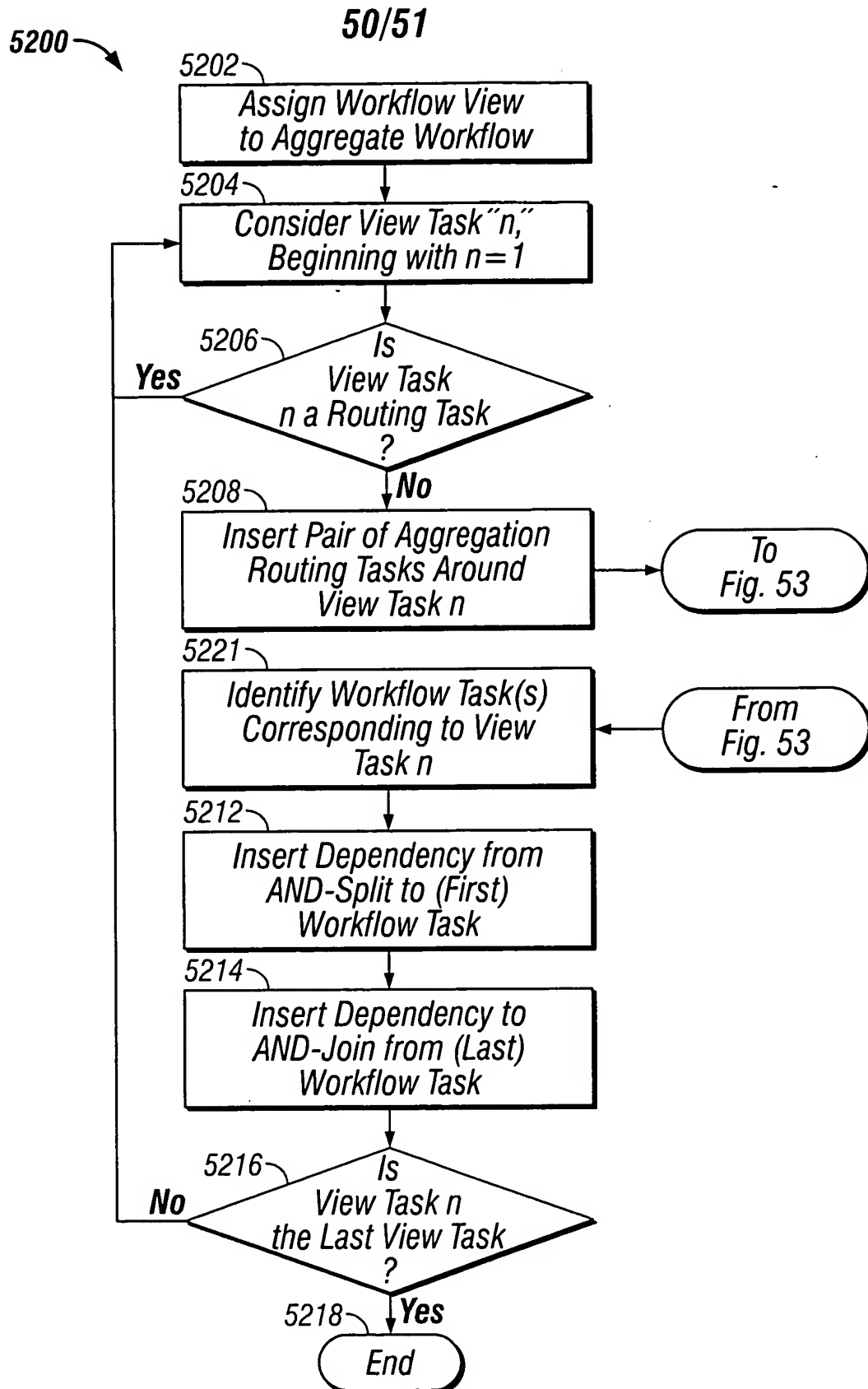


FIG. 51



**FIG. 52**

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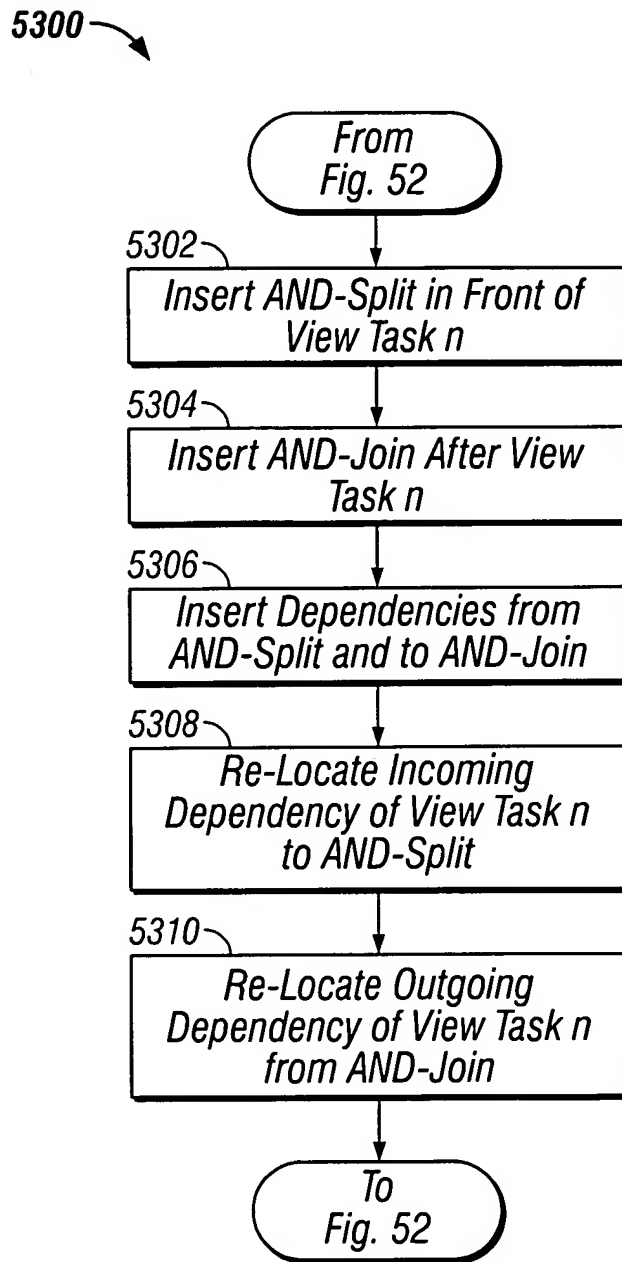


FIG. 53